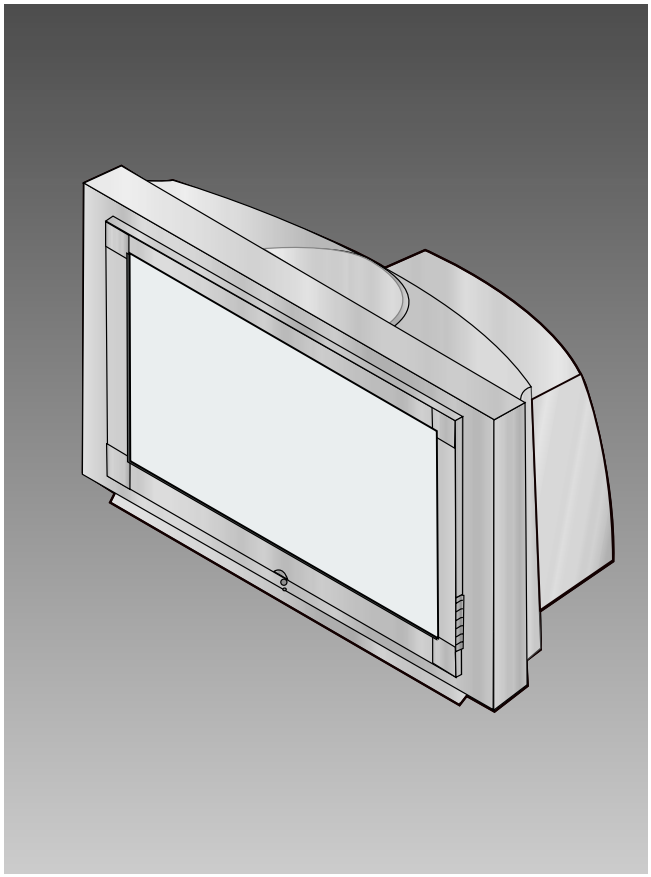
SAMSUNG

COLOR TELEVISION RECEIVER

Chassis : K54A(P)
Model : TSL3099WF/XAA

SERVICE Manual

COLOR TELEVISION RECEIVER



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1. Precautions

Follow these safety, servicing and ESD precautions to prevent damage and protect against potential hazards such as electrical shock and X-rays.

1-1 Safety Precautions

1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.

2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including: nonmetallic control knobs and compartment covers.

3. Make sure that there are no cabinet openings through which people—particularly children—might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

   If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (Figure 1-1):
   Warning: Do not use an isolation transformer during this test. Use a leakage-current tester or a metering system that complies with American National Standards Institute (ANIS C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).

5. With the unit completely reassembled, plug the AC line cord directly into the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: antennas, handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

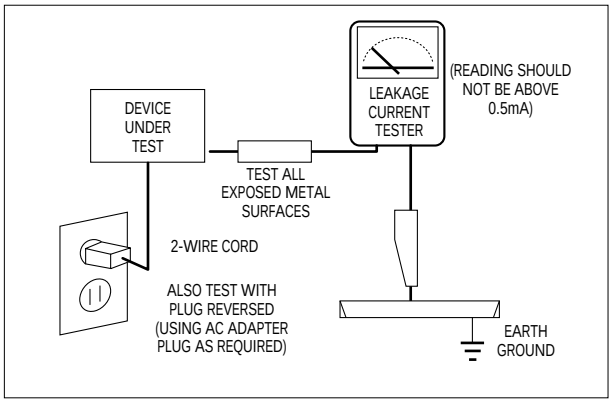

DEVICE UNDER TEST
LEAKAGE CURRENT TESTER
(READING SHOULD NOT BE ABOVE 0.5mA)
TEST ALL EXPOSED METAL SURFACES
2-WIRE CORD
ALSO TEST WITH PLUG REVERSED (USING AC ADAPTER PLUG AS REQUIRED)
EARTH GROUND

Fig. 1-1 AC Leakage Test

6. Antenna Cold Check:
   With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong. Connect the other lead to the coaxial connector.

7. X-ray Limits:
   The picture tube is especially designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the picture tube only with one that is the same type as the original. Carefully reinstall the picture tube shields and mounting hardware; these also provide X-ray protection.

8. High Voltage Limits:
   High voltage must be measured each time servicing is done on the B+, horizontal deflection or high voltage circuits.
   Correct operation of the X-ray protection circuits must be reconfirmed whenever they are serviced.
   (X-ray protection circuits also may be called "horizontal disable" or "hold-down".)

   Heed the high voltage limits. These include the X–ray Protection Specifications Label, and the Product Safety and X-ray Warning Note on the service data schematic.

1-1 Safety Precautions (Continued)

9. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.

10. Design Alteration Warning:
    Never alter or add to the mechanical or electrical design of this unit. Example: Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.

11. Hot Chassis Warning:
    Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord. If an isolation transformer is not used, these units may be safely serviced only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC source.

    To confirm that the AC power plug is inserted correctly, do the following: Using an AC voltmeter, measure the voltage between the chassis and a known earth ground. If the reading is greater than 1.0V, remove the AC power plug, reverse its polarity and reinsert. Re-measure the voltage between the chassis and ground.

12. Some TV chassis are designed to operate with 85 volts AC between chassis and ground, regardless of the AC plug polarity. These units can be safely serviced only if an isolation transformer inserted between the receiver and the power source.

13. Some TV chassis have a secondary ground system in addition to the main chassis ground. This secondary ground system is not isolated from the AC power line. The two ground systems are electrically separated by insulating material that must not be defeated or altered.

14. Components, parts and wiring that appear to have overheated or that are otherwise damaged should be replaced with parts that meet the original specifications. Always determine the cause of damage or overheating, and correct any potential hazards.

15. Observe the original lead dress, especially near the following areas: Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.

16. Picture Tube Implosion Warning:
    The picture tube in this receiver employs "integral implosion" protection. To ensure continued implosion protection, make sure that the replacement picture tube is the same as the original.

17. Do not remove, install or handle the picture tube without first putting on shatterproof goggles equipped with side shields. Never handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; do not try to remove such "permanently attached" yokes from the picture tube.

18. Product Safety Notice:
    Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original—even if the replacement is rated for higher voltage, wattage, etc.

    Components that are critical for safety are indicated in the circuit diagram by shading, (⚡) or (⚠).
    Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications.
    A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

1-2 Servicing Precautions

Warning1: First read the "Safety Precautions" section of this manual. If some unforeseen circumstance creates a conflict between the servicing and safety precautions, always follow the safety precautions.
Warning2: An electrolytic capacitor installed with the wrong polarity might explode.

1. Servicing precautions are printed on the cabinet. Follow them.

2. Always unplug the unit's AC power cord from the AC power source before attempting to: (a) Remove or reinstall any component or assembly, (b) Disconnect an electrical plug or connector, (c) Connect a test component in parallel with an electrolytic capacitor.

3. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.

4. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the portion around the serviced part has not been damaged.

5. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).

6. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500V) to the blades of the AC plug.

   The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.

7. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.

8. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

1-3 Precautions for Electrostatically Sensitive Devices (ESDs)

1. Some semiconductor (“solid state”) devices are easily damaged by static electricity. Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.

2. Immediately before handling any semicon ductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. (Be sure to remove it prior to applying power—this is an electric shock precaution.)

3. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of electrostatic charge.

4. Do not use freon-propelled chemicals. These can generate electrical charges that damage ESDs.

5. Use only a grounded-tip soldering iron when soldering or unsoldering ESDs.

6. Use only an anti-static solder removal device. Many solder removal devices are not rated as “anti-static”; these can accumulate sufficient electrical charge to damage ESDs.

7. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.

8. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.

9. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting a foot from a carpeted floor can generate enough static electricity to damage an ESD.

2. Reference Information

2-1 Tables of Abbreviations and Acronyms

Table 2-1 Abbreviations

A	Ampere	MV	Megavolt
Ah	Ampere-hour	MW	Megawatt
Å	Angstrom	MΩ	Megohm
dB	Decibel	m	Meter
dBm	Decibel Referenced to One Milliwatt	µA	Microampere
		µF	Microfarad
°C	Degree Celsius	µH	Microhenry
°F	Degree Fahrenheit	µm	Micrometer
°K	degree Kelvin	µs	Microsecond
F	Farad	µW	Microwatt
G	Gauss	mA	Milliampere
GHz	Gigahertz	mg	Milligram
g	Gram	mH	Millihenry
H	Henry	ml	Milliliter
Hz	Hertz	mm	Millimeter
h	Hour	ms	Millisecond
ips	Inches Per Second	mV	Millivolt
kWh	Kilowatt-hour	nF	Nanofarad
kg	Kilogram	Ω	Ohm
kHz	Kilohertz	pF	Picofarad
kΩ	Kilohm	lb	Pound
km	Kilometer	rpm	Revolutions Per Minute
km/h	Kilometer Per Hour	rps	Revolutions Per Second
kV	Kilovolt	s	Second (Time)
kVA	Kilovolt-ampere	V	Volt
kW	Kilowatt	VA	Volt-ampere
l	Liter	W	Watt
MHz	Megahertz	Wh	Watt-hour

Table 2-2 Table of Acronyms

ABL	Automatic Brightness Limiter
AC	Alternating Current
ACC	Automatic Chroma Control
AF	Audio Frequency
AFC	Automatic Frequency Control
AFT	Automatic Fine Tuning
AGC	Automatic Gain Control
AM	Amplitude Modulation
ANSI	American National Standards Institute
APC	Automatic Phase Control
APC	Automatic Picture Control
A/V	Audio-Video
AVC	Automatic Volume Control
BAL	Balance
BPF	Bandpass Filter
B-Y	Blue-Y
CATV	Community Antenna Television (Cable TV)
CB	Citizens Band
CCD	Charge Coupled Device
CCTV	Closed Circuit Television
Ch	Channel
CRT	Cathode Ray Tube
CW	Continuous Wave
DC	Direct Current
DVM	Digital Volt Meter
EIA	Electronics Industries Association
ESD	Electrostatic Discharge
ESD	Electrostatically Sensitive Device
FBP	Feedback Pulse
FBT	Flyback Transformer
FF	Flip-Flop
FM	Frequency Modulation
FS	Fail Safe
GND	Ground
G-Y	Green-Y
H	High
HF	High-Frequency
HI-FI	High Fidelity
IC	Inductance-Capacitance
IC	Integrated Circuit
IF	Intermediate Frequency
I/O	Input/output
L	Left
L	Low
LED	Light Emitting Diode
LF	Low Frequency
MOSFET	Metal-Oxide-Semiconductor-Field-Effect-Tr
MTS	Multi-channel Television Sound
NAB	National Association of Broadcasters
NEC	National Electric Code
NTSC	National Television Systems Committee
OSD	On Screen Display
PCB	Printed Circuit Board
PLL	Phase-Locked Loop
PWM	Pulse Width Modulation
QIF	Quadrature Intermediate Frequency
R	Right
RC	Resistor & Capacitor
RF	Radio Frequency
R-Y	Red-Y
SAP	Second Audio Program
SAW	Surface Acoustic Wave(Filter)
SIF	Sound Intermediate Frequency
SMPS	Switching Mode Power Supply
S/N	Signal/Noise
SW	Switch
TP	Test Point
TTL	Transistor Transistor Logic
TV	Television
UHF	Ultra High Frequency
UL	Underwriters Laboratories
UV	Ultraviolet
VCD	Variable-Capacitance Diode
VCO	Voltage Controlled Oscillator
VCXO	Voltage Controlled Crystal Oscillator
VHF	Very High Frequency
VIF	Video Intermediate Frequency
VR	Variable Resistor
VTR	Video Tape Recorder
VTVM	Vacuum Tube Voltmeter
TR	Transistor

2-2 IC Line Up

Block	Des-Loc	Part-Number	IC Name	Description
MAIN	IC601	1204-001575	MSP3440G-A4	IC-SOUND PROCESSOR
	IC701	1001-001073	TEA6415C	IC-VIDEO SWITCH
	IC702	1001-001113	TEA6422	IC-AUDIO SWITCH
	IC703	1002-001193	PCF8591P	IC-A/D & D/A CONVERTER
	TU01	AA40-00020A	TCLN318PA09A(S)	TUNER-F/S
	TUP01	AA40-00032A	TCPN3081PC09A(S)	TUNER-F/S
	IC905	1103-001171	24L161	IC-EEPROM
	ICG01	0801-000314	74HCT86	IC-CMOS LOGIC
	ICH01	1204-001454	TDA7449L	IC-VOLUME CONTROL
	IC602	1201-000407	TDA7050	IC-POWER AMP
	IC603	1201-001385	TDA7269A	IC-POWER AMP
	IC804	1203-000203	SI3050	IC-POSI.ADJUST REG.
	IC805	1203-000203	SI3050	IC-POSI.ADJUST REG.
	ICH01	1201-000191	4558	IC-OP AMP
	IC802	1203-000293	KA7808	IC-POSI.FIXED REG.
	IC803	1203-000298	KA7809	IC-POSI.FIXED REG.
	IC801	1203-000165	78R12	IC-POSI.ADJUST REG.
POWER	IC301	1204-000517	LA7845	IC-VERTIVAL DEF.
	D801S	0402-001399	GSDIB660	IC-HYBRID
	IC801S	1203-002091	STR-F6658B	IC-HYBRID
	IC803S	AA13-00024A	TNY253P	IC-HYBRID
	Q403	0505-000156	IRF620	FET-SILICON
	Q404	0505-001116	BUZ73A	FET-SILICON
	QH407	0502-001187	2SC5612	TR-POWER
	QH408	0502-001104	2SD921	TR-POWER
	QH406	0502-001100	2SD4125	TR-POWER
	QH405	0505-001202	IRF640	FET-HYBRID
	QH401	0402-001176	FMQG5GS	TR-DIODE
	DH400	0402-001176	FMQG5GS	TR-DIODE
	Q801	1004-000101	SE140N DIP	IC-HYBRID

Block	Des-Loc	Part-Number	IC Name	Description
F-BOX	IC01	1204-001598	VPC3230D-A0	IC-VIDEO PROCESS
	IC02	AA13-00095A	SDP01	IC-ASIC
	IC05	1002-001045	SDA9280	IC-D/A CONVERTER
	IC06	1204-001372	SDA9361	IC-HOR./VER.PROCESS
	IC07	1204-001550	CXA2101AQ	IC-VIDEO PROCESS
	IC08	AA13-00084A	M4LV-32/32-12VC48	IC-ASIC
	IC03	1105-001035	416S1120	IC-DRAM
	IC04	1105-001035	416S1120	IC-DRAM
	PIC01	1204-001598	VPC3230D-A0	IC-VIDEO PROCESS
	PIC02	1109-001144	81V04160	IC-FIFO
	PIC04	1203-001419	4931	IC-VOLTAGE REGULATOR
	PIC05	1203-001419	4931	IC-VOLTAGE REGULATOR
	IC902	1203-001140	7039	IC-VOL.DETECTOR
	IC903	1203-001274	7545	IC-VOL.DETECTOR
	IC11	1203-001419	4931	IC-VOLTAGE REGULATOR
	IC12	1203-001140	7039	IC-VOL.DETECTOR
	IC13	1203-001359	1086	IC-POSI.FIXED REG.
	IC14	1202-000001	KA7533	IC-VOLTAGE COMP.
	IC04	1203-001419	4931	IC-VOLTAGE REGULATOR
CRT	IC501	1201-001588	TDA6120Q	IC-VIDEO AMP
	IC502	1201-001588	TDA6120Q	IC-VIDEO AMP
	IC503	1201-001588	TDA6120Q	IC-VIDEO AMP
	QF10	0502-000153	2SC2344-D	TR-POWER
	QF09	0502-000131	2SA1011A-D	TR-POWER
	IC504	1201-000010	2030	IC-OP AMP
DOLBY	IC601	1204-001198	DPL3519A	IC-DSP
MICOM	IC901	AA09-00101A	Z9037116PSC-OTP	IC-MCU
3D-COMB	IC01	1204-001556	UPD64082GF	IC-SEPARATOR

3. Specifications

Model		TSL3099WF	CT-29A7PD9X, CT-34A7PD9X
Dimensions (mm)	Set	910 (W) x 455 (D) x 578 (H)	
	Transmitter	54 (W) x 31.5 (D) x 220 (H)	
Weight	Set	65 Kg	
	Transmitter	153 g (including batteries)	
Picture Tube		Hi Contrast Instant Reception Type	
Tuning Ranges		VHF (CH 2 ~ 13)	
		UHF (CH 14 ~ 69)	
		CATV (CH 1, 14 ~ 125)	
Television System		NTSC-M	
Antenna Input		VHF, UHF: 75 ohm unbalanced type	
Intermediate Frequency		Video: 45.75 MHz	
		Sound: 41.25 MHz	
		Chrominance Subcarrier: 42.17 MHz	
Automatic Gain Control		Reverse Automatic Gain Control (Reverse AGC)	
Power Supply	Set	AC 120 V, 60 Hz	AC 100-240, 50/60Hz
	Transmitter	DC 1.5V (AAA Size) x 2	
Power Consumption		220 W	
Rectification		Insulation Switch	
Sound Output		7.5 W x 2, WOOFER: 22WX1	
Adjustment System		Transmitter Adjustment: Infrared Rays Type	
		UHF/VHF electronic tuner fine tuning: Electronic Type	
		Electronic Function Adjustment	

Specifications are subject to change.

MEMO

4. Alignment and Adjustments

4-1 Adjustments

4-1-1 General Alignment Instructions

Usually, a color TV needs only slight touch-up adjustment upon installation. Check the basic characteristics such as vertical size, horizontal size, and focus. Observe the picture and check for good black and white details. There must be no objectionable color shading: If color shading is present, demagnetize the receiver. If color shading persists, re-do purity and convergence adjustments.

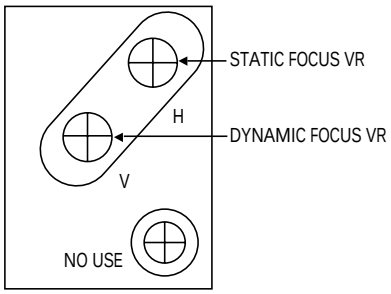
Note :
1. This '4. Alignment and Adjustments' applies to K54A chassis applications.
2. AC Power Supply: 220 V only
3. This service manual has been written on the basis of domestic remote-control model adopting K54A chassis. Depending on sales location and product specifications, some of specifications herein may be changed.

4-1-2 Focus Adjustment

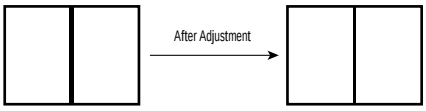
K54A contains a dynamic focus circuit. When CRT PCB, FBT or CRT is replaced, be sure to adjust in the following sequence:

Dynamic Focus Adjustment

1. Input a crosshatch pattern.
2. Select "Standard" from the menu,
3. Turn the Static Focus VR clockwise to set it to its maximum.
4. Turn the Dynamic Focus VR counterclockwise to set it to its maximum.
5. Turn the Static Focus VR counterclockwise slowly for the clearest center vertical line.



<FBT FOCUS PACK>



6. Turn the Dynamic Focus VR clockwise slowly for the clearest third line.

7. Check for the FOCUS of entire screen. If necessary, re-do adjustments 3~6.

4-1-3 Screen Voltage Adjustment

1. Enter the Video/Component Mode. Just connect a jack and do not supply a video signal.
2. Use a DC multi-meter to identify RK, GK, BK. And then adjust FBT Screen VR so that the highest voltage becomes 175 Vp-p.

4-1-4 White Balance Adjustment

1. Select “Standard” from the menu.
2. Input an 100% White pattern.
3. In standby, press the remote-control keys in the following sequence: Mute → 1 → 8 → 2
   Power on the TV set.
4. Warm up the TV set at least for 30 minutes.
5. Input a 10-step stair signal.
6. Use the Volume +/- buttons on the remote-control to select RDR, GDR, BDR, CON.
7. Adjust Low-Light while viewing the darker side of screen.
8. Use the Volume +/- buttons on the remote-control to select RCT, GCT, BCT, SBT.
9. Adjust High-Light while viewing the brighter side of screen.
10. If not proper, re-adjust White Balance.
11. Press the Memory button to exit.

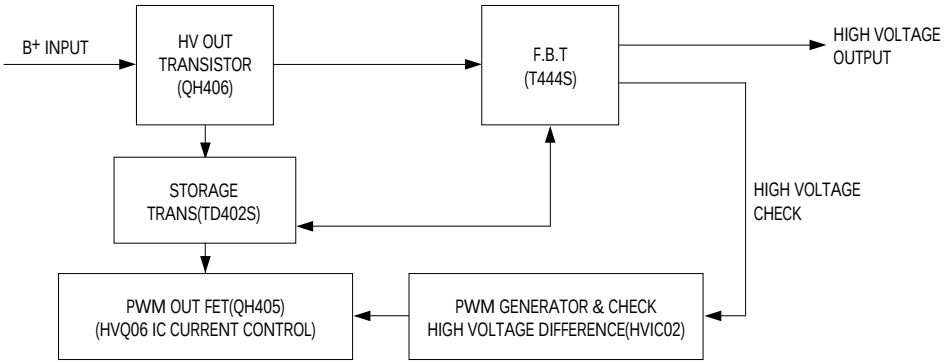
4-1-5 Sub-Brightness Adjustment

1. In standby, press the remote-control keys in the following sequence: Mute → 1 → 8 → 2
   Power on the TV set.
2. Use the Channel Up/Down buttons to receive the sub bright adjustment signal.
3. Use the Volume +/- buttons to select SBT.
4. Press the Menu or Mute button on the remote control to adjust so that the seventh step on the right of screen cannot be seen.
5. Press the Memory button to exit.

Note1. HIGH VOLTAGE REGULATOR CIRCUIT(DIGITAL TV)

This circuit uses in pulse width modulation method to check high voltage difference and then adjust energy of storage trans. in order to compensation and stabilize high voltage.

1)Block Diagram

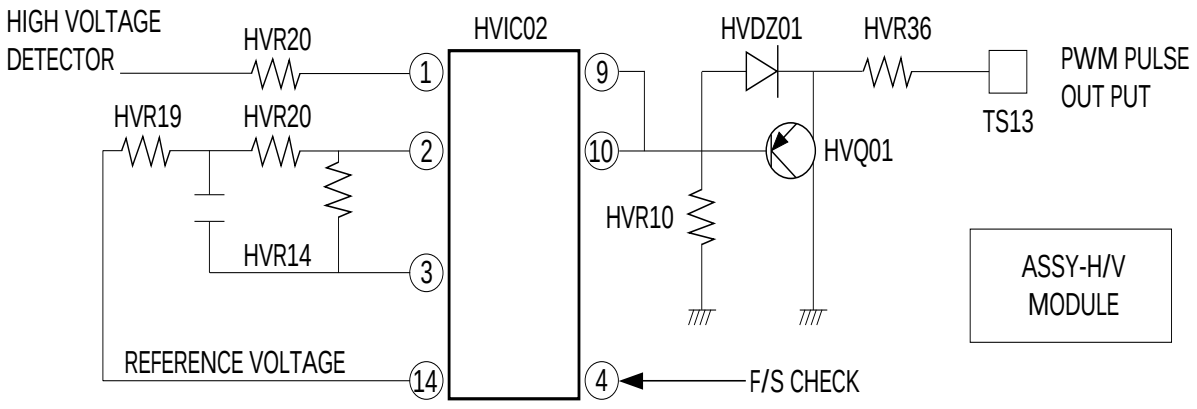


2) Circuit description

This circuit detect high voltage difference from FBT, will be compared with reference voltage of HVIC02. The varied voltage will be changed pulse width modulation by PWM Generator HVIC02. This pulse will vary energy of storage trans(TD402S) according to high voltage difference the varied energy is added to basic high voltage pulse of FBT. As a result, this circuit will be stable high voltage.

2-1) Working description in case of high voltage Up & Down

In case high voltage goes up(or down) due to change of beam current, the voltage of high voltage detection prove will be goes up(or down) according to Divider resistance value(which are inside of FBT(T4440) and outside resistance), and this increased voltage will be supplied to PWM PULSE IC(HVIC02) pin #1.

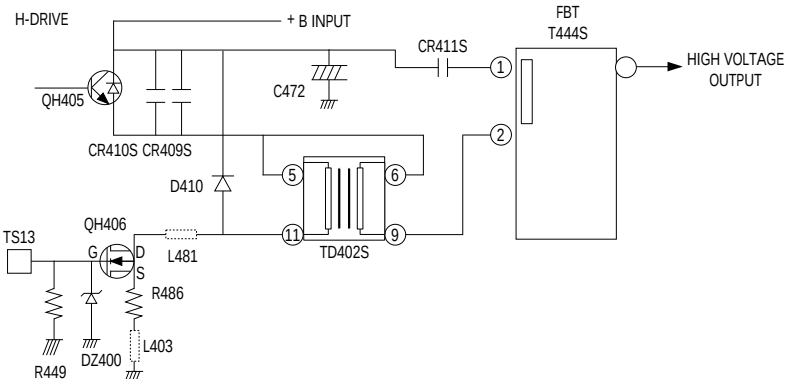


This IC(HVIC02) provide complete pulse width modulation system in a single monolithic intergrated circuit.

The voltage which is inputed to HVIC02 pin #1 will be compared with reference voltage(HVIC02 pin #14, 5V), and then its difference voltage will be amplified.

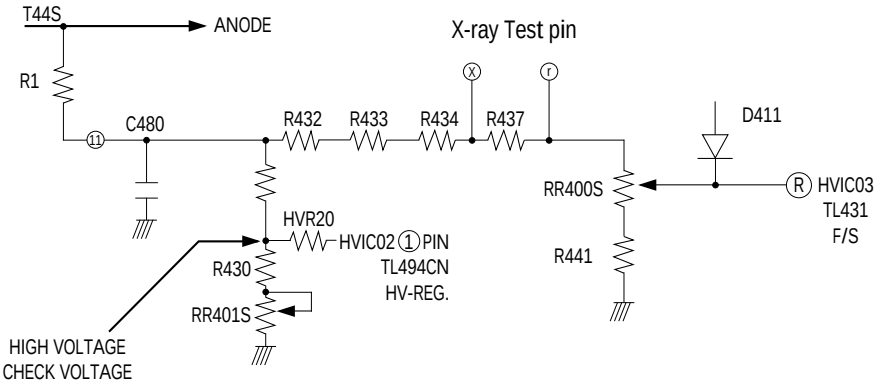
Its value will be convert PWM in HVIC02, and then PWM pulse will be output from HVIC02 pin #9, #10.

Transistor HVQ01 is used as Buffer for impedance matching.



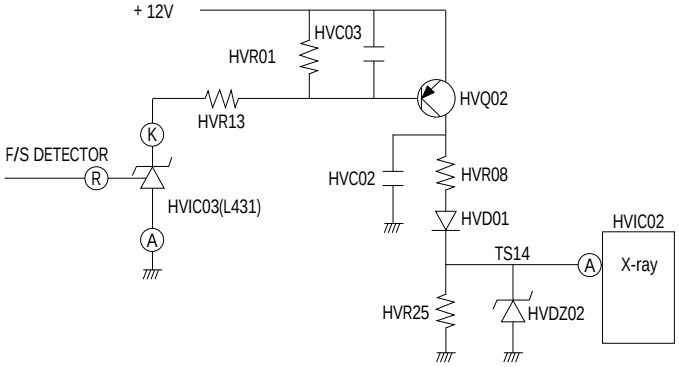
The PWM duty which is outputed from HVQ01 is variable according to Beam current of high woltage. In case high voltage goes up(or down) due to change of Beam Current, PWM duty will be decreased9or increased). This pules which is inputed to QH406 Gate(FBT) will be turn on between source and will be charge energy in primary of storage trans(TD402S) and then will be charge energy in primary of storage trans during trace perido. This energy is variable according to pluse duty, and will be inducted to secondary of TD402S. The inducted energy will be added to basic high voltage generation pulse in FBT(T444S). As a result, high voltage will be regulated by this method.

3)F / S circuit description



In case high voltage goes up, consequently detected voltage will be goes up and this voltage will be divided regularly through R432, R433, R434, RR400S R and R441.

This divided voltage will be inputed to HVIC03 pin #R, and then in this case voltage goes up more than 2.95v, Between pin #K and pin #A of HVIC03 will be turn on and will be decreased Base voltage of HVQ02, and then E-C of HVQ02 will be turn on and will be detected high level voltage by R482.
Its value will be inputed HVIC02 PIN #4(X-ray detect), and high voltage oscillation will be OFF in order to protect X-ray. In this case, high voltage will be On if power is re-ON.



4-2 SZM 410A(ZILOG90371) Micom

4-2-1 Pin Layout

4-2-2 Port Assignment

PIN NO	PIN NAME	D4 PIN	DESCRIPTION
1	P16/SCLK	POWER	POWER CONTROL OUTPUT
2	IRIN	IR INPUT	REMOCON INPUT
3	P0C	VGA ID	PC SIGNAL DETECTOR, X-RAY DETECTOR
4	P0B	N.C	
5	P0A	N.C	
6	P09	N.C	
7	P0D	1080i S/W	1080i B+ UP S/W
8	P07/CYNC	N.C	
9	P06/CNTR	5VB CHECK	5V-B+ CHECK
10	P03/1HSYNC	1HSYNC	H/V SYNC FOR CCD
11	P01/I2CSC	SCL2	E2PROM/PIP only, I2C BUS CLK2
12	P02/I2CSD	SDA2	E2PROM/PIP only, I2C BUS DATA 2
13	CVI/ADC0	CVBS IN	CCD COMPOSITE INPUT
14	LPF	LOOP FILTER	LOOP FILTER
15	AGNDF	GND	ANALOG GND
16	ADC5	S-AFT	PIP AFT INPUT
17	P04/ADC4	KEY1	VOL UP/DOWN,CH UP/DOWN, KEY SCAN INPUT PORT 1
18	P04/ADC3	MAIN AFT	MAIN AFT INPUT
19	P04/ADC2	KEY2	POWER,MENU.TV/VIDEO, KEY SCAN INPUT PORT 2
20	P04/ADC1	BUS STOP	I2C BUS STOP
21	AGND	GND	ANALOG GND
22	AVCC	VCC	ANALOG VCC
23	P0F/SOVL	HALF TONE	HALF TONE
24	V3(B)	OSD B	BLUE SIGNAL OF OSD
25	V2(G)	OSD G	GREEN SIGNAL OF OSD
26	V1(R)	OSD R	RED SIGNAL OF OSD
27	OVL	BLANK	BLANKING SIGNAL OF OSD
28	HSYNC	HSYNC	HORIZONTAL SYNC INPUT FOR OSD
29	VSYNC	VSYNC	VERTICAL SYNC INPUT FOR OSD
30	P12/I2CMD2	SDA1	I2C BUS DATA 1
31	P11/I2CMC2	SCL1	I2C BUS CLK 1
32	P0E	WP	E2PROM WRITE PROTECT

PIN NO	PIN NAME	D4 PIN	DESCRIPTION
33	I2CMD1	N.C	-
34	I2CMC1	N.C	-
35	RESET	RESET	RESET INPUT
36	XTAL1	XTAL1	-
37	XTAL2	XTAL2	-
38	GND	GND	GND
39	VCC	VCC	VCC
40	GND	GND	GND
41	PWM1	S-RESET	SOUND RESET
42	PWM2	TILT	TILT CONTROL
43	PWM3	MUTE	SOUND AMP MUTE
44	PWM4	D-COIL	DEGAUSSING COIL CONTROL OUTPUT
45	PWM5	LED1	STAND BY LED
46	PWM6	LED2	TIMER LED
47	P10/R(0)	N.C	-
48	P08/R(1)	N.C	-
49	P18/G(0)	HOLD	-
50	P13/G(1)	N.C	-
51	P14/B(0)	N.C	-
52	P15/B(1)	N.C	-

4-3 Service Mode Adjustments

K54A chassis needs I2C for service mode adjustments. Since the outgone TV set has been adjusted optimum, I2C Adjustment doesn't need excluding when CRT, FBT, EEPROM (IC902) is replaced.

4-3-1 Entering the Service Mode

In standby, press the remote-control keys in the following sequence:
MUTE →1→ 8→ 2 POWER When the Service Mode is entered, use the Channel UP/DOWN buttons on the remote control to move to the item to adjust.

4-3-2 Adjustments Adjust

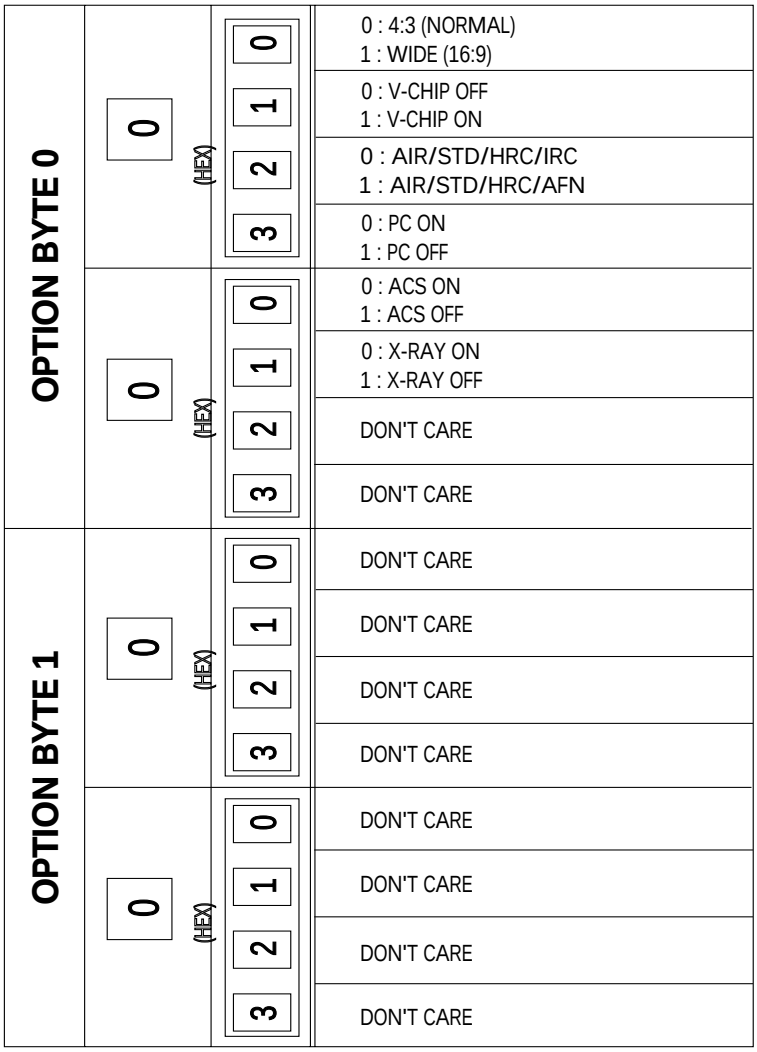
Detailed Items: Use the Channel UP/DOWN buttons.
Data Adjustment: Use the Volume +/- buttons.
Channel Switching: Enter the Channel No.

4-3-3 Special Notes

1. When IC902 (EEPROM) is replaced, warm up the TV for 4~5 seconds after plugging in.
2. After IC902 (EEPROM) is replaced, enter the Service Mode and standard data for all items.
3. Make the following adjustments: Geometric, White Balance, Sub-contrast, PIP contrast, Sub-brightness

4-4 Option Byte

		USA		CANADA		NT Latin America	
BYTE	FUNCTION	NORMAL	WIDE	NORMAL	WIDE	NORMAL	WIDE
B0	WIDE	X	○	X	○	X	○
B1	V-CHIP	○	○	X	X	X	X
B2	AFN	X	X	X	X	X	X
B3	NO PC	○	○	○	○	X	X
B4	NO ACS	X	X	X	X	○	○
B5	NO X-RAY	X	X	X	X	○	○
OPTION BYTE		0A	0B	08	09	30	31



4-5 Picture

DESCRIPTION		VS V-SHIFT	VA V-SIZE	VL V-LINE	VSC V-S CORR	VE V-V EHT	HA H-SIZE	PPH PIN PHS	PAM PIN AMP
32" WIDE	RF Mode	160	130	105 (FIXED)	125 (FIXED)	0 (FIXED)	175	70	100
	480P Mode	190	140	105 (FIXED)	125 (FIXED)	0 (FIXED)	180	90	100
	1080i Mode	180	130	105 (FIXED)	125 (FIXED)	0 (FIXED)	215	90	120

DESCRIPTION		UPC UP-CORR	LOC LO-CORR	HEH H-EHT	HS H-SHIFT	VAN V-ANGLE	VBO V-BOW	HSP H-SYC-PH
32" WIDE	RF Mode	180	150	0 (FIXED)	105	127 (FIXED)	127 (FIXED)	138 (FIXED)
	480P Mode	180	130	0 (FIXED)	35	127 (FIXED)	127 (FIXED)	133 (FIXED)
	1080i Mode	200	150	0 (FIXED)	50	127 (FIXED)	127 (FIXED)	142 (FIXED)

4-6 Picture

DESCRIPTION	RDR	GDR	BDR	RCT	GCT	BCT
	R-DRIVE	G-DRIVE	B-DRIVE	R-CUT OFF	G-CUT OFF	B-CUT OFF
32" WIDE	32	22 (FIXED)	32	32	22 (FIXED)	32

DESCRIPTION	SBT	CON	COL	HUE	GAM
	SUB-BRT	UB-CON	UB-COL	SUB-HUE	GAMMA
32" WIDE	25	6	12 (FIXED)	9 (FIXED)	10 (FIXED)

DESCRIPTION	VML		
	VM-LEVEL		
	RF : 38	480 : 48	1080 : 58
32" WIDE	235 (FIXED)	139 (FIXED)	139 (FIXED)

4-7 White Balance

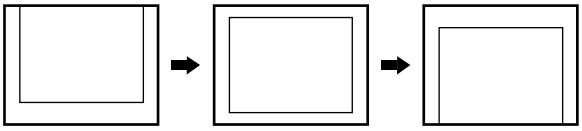
	W/B	
	H/L	L/L
32"	x:275, y:265, y:50	x:275, y:265, y:2.5

MEMORY DESCRIPTION

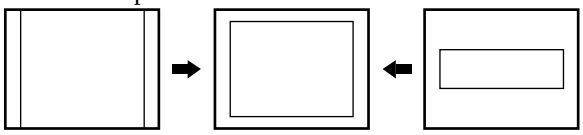
No.	Item	Description
0	V Shift	Vertical Shift
1	V Size	Adjusts the vertical image size
2	V Linearity	Adjusts the vertical linearity
3	V S Correction	Vertical S-Correction
4	V EHT	Adjusts the vertical variance (depending on the high pressure)
5	H Size	Adjusts the horizontal size
6	Pin Phase	Adjusts the left/right symmetry of pincushion
7	Pin AMP	Adjusts Pincushion
8	Upper Corner	Adjusts the upper corner
9	Lower Corner	Adjusts the lower corner
10	H EHT	Adjusts the horizontal variance (depending on the high pressure)
11	H Shift	Horizontal Shift
12	V Angle	Adjusts so that the vertical line becomes rectangular
13	V Bow	Adjusts so that the vertical lines are symmetrical
14	H Sync Phase	Adjusts the horizontal sync phase

4-8 Screen Change (I2C Bus Geometric Adjustment)

1 V - SHIFT

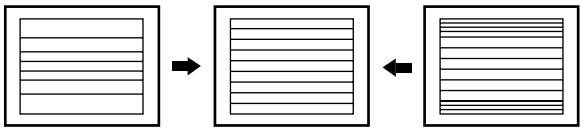


6 V - Amp

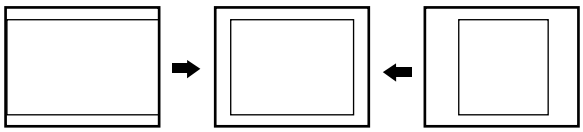


2 V-S-CORR (VSC)

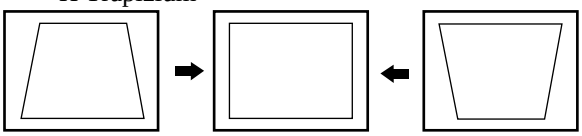
7 V S C



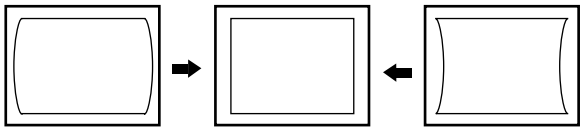
3 H E W



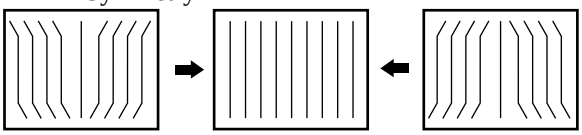
8 H Trapizium



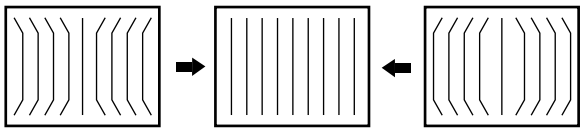
4 Parabola



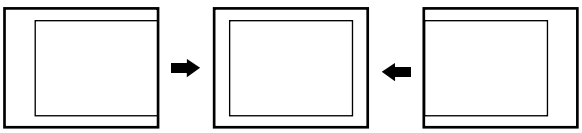
9 H Symmetry



5 H Corner

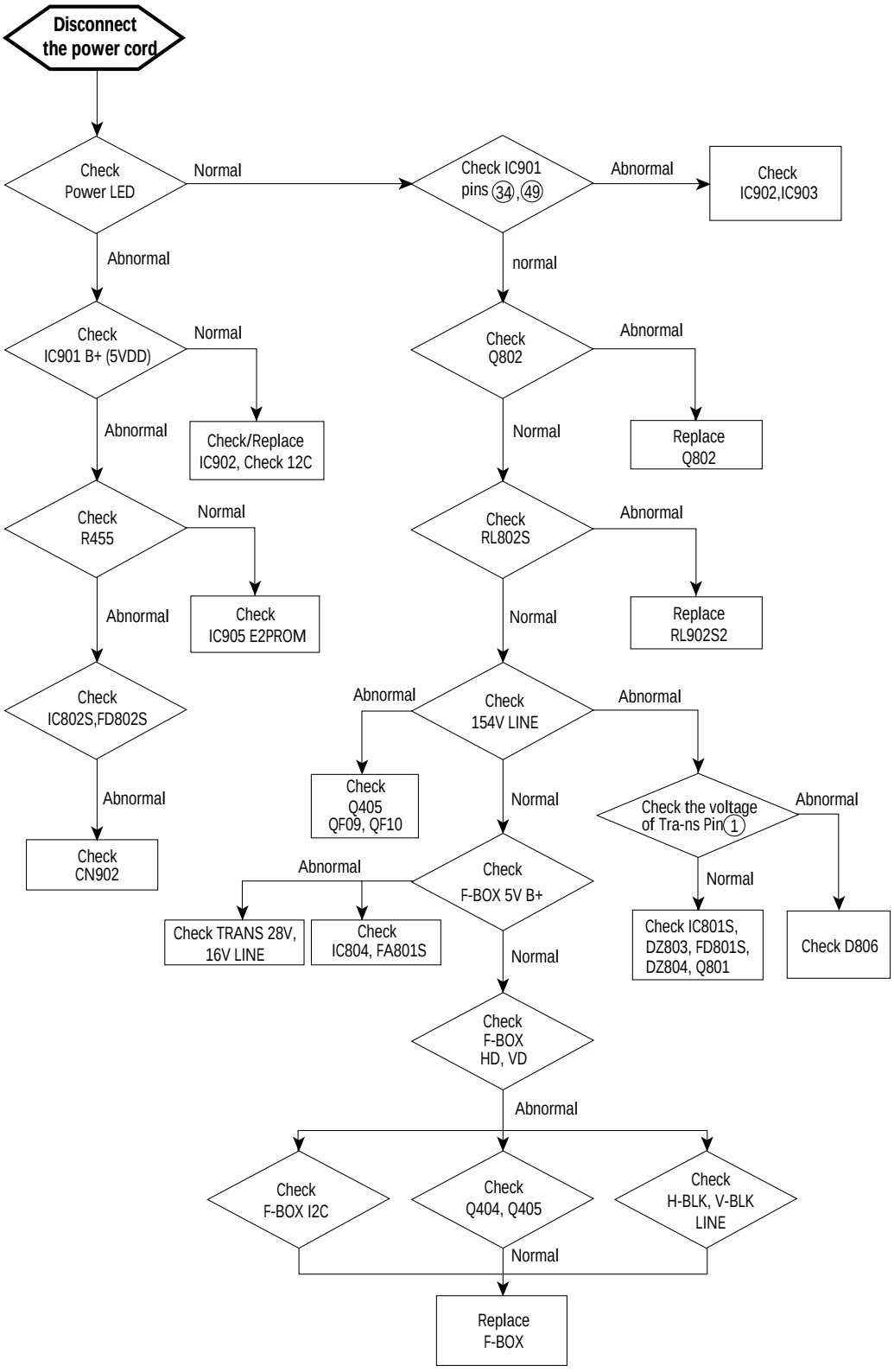


10 H SHIFT

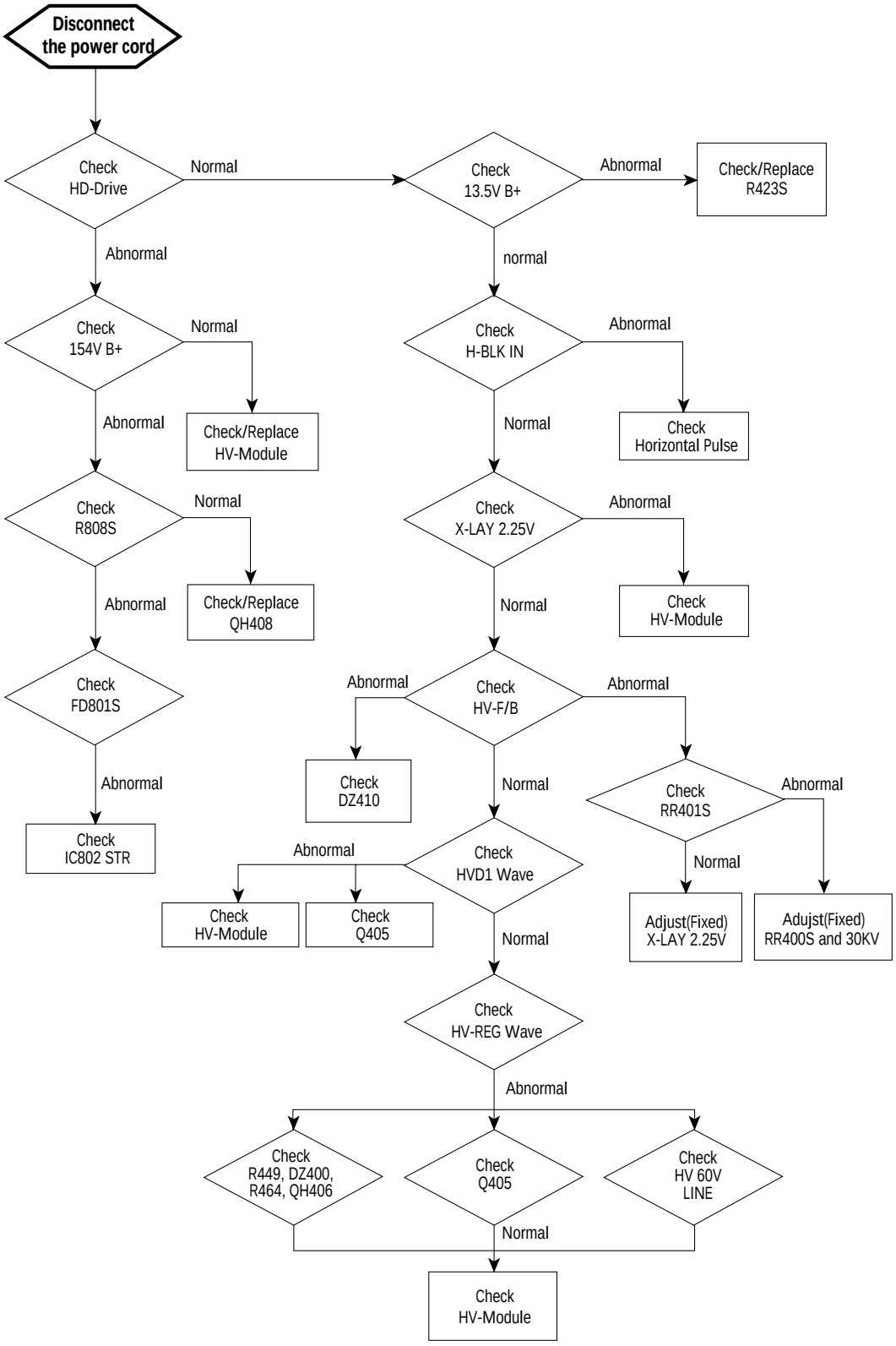


5. Troubleshooting

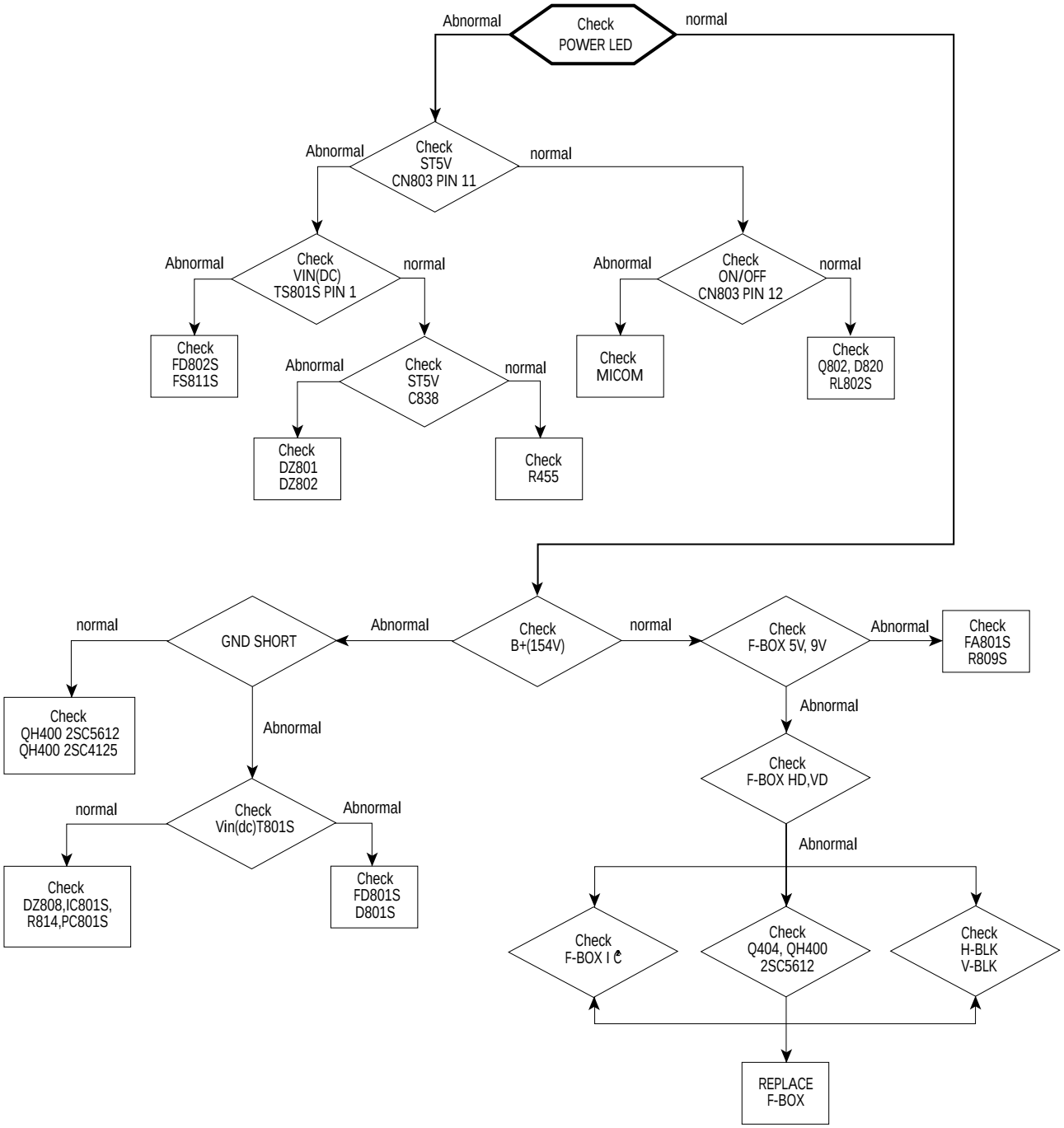
5-1 No Power



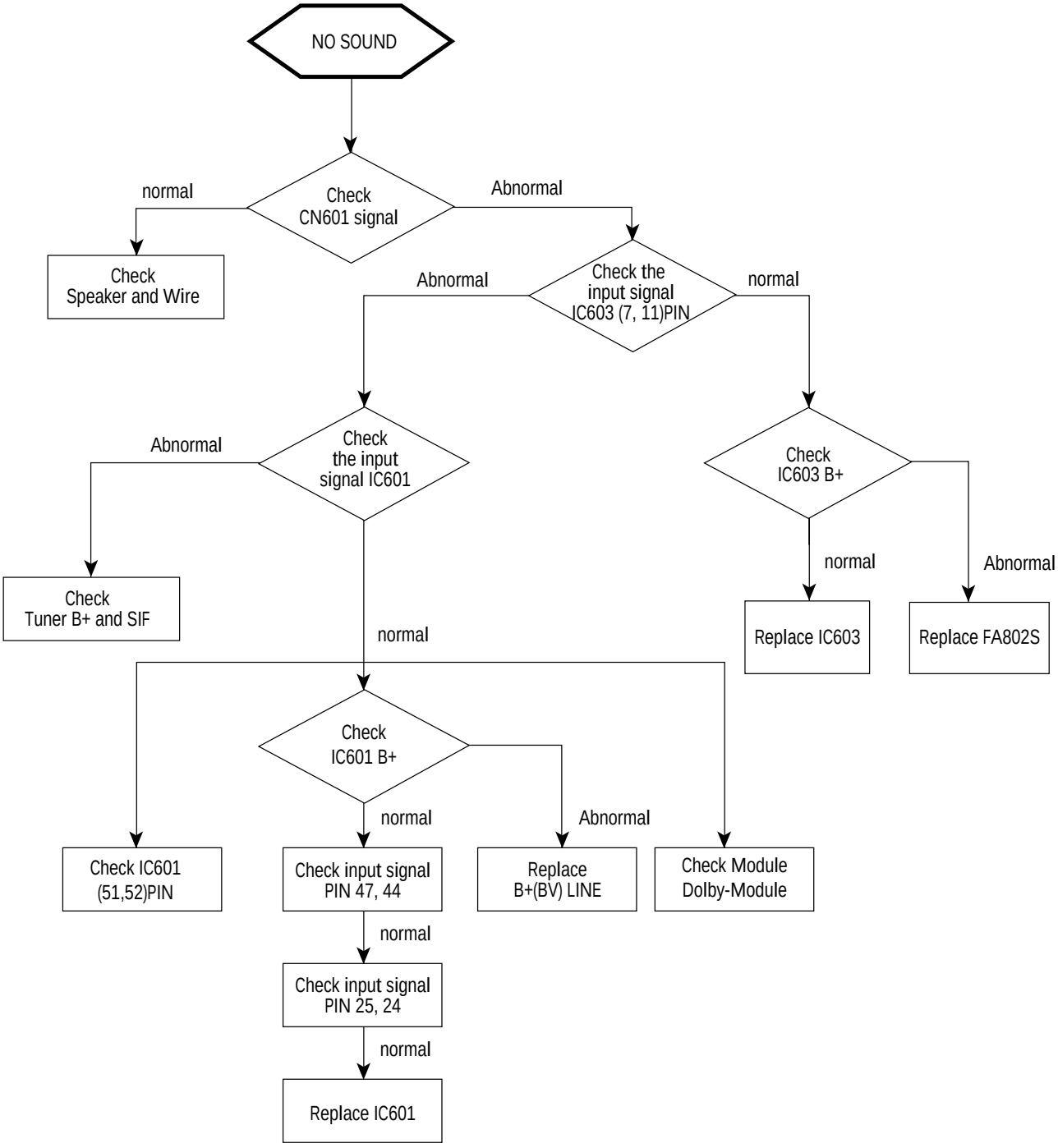
5-2 High Voltage No Raster(Sound & Horizontal OK)



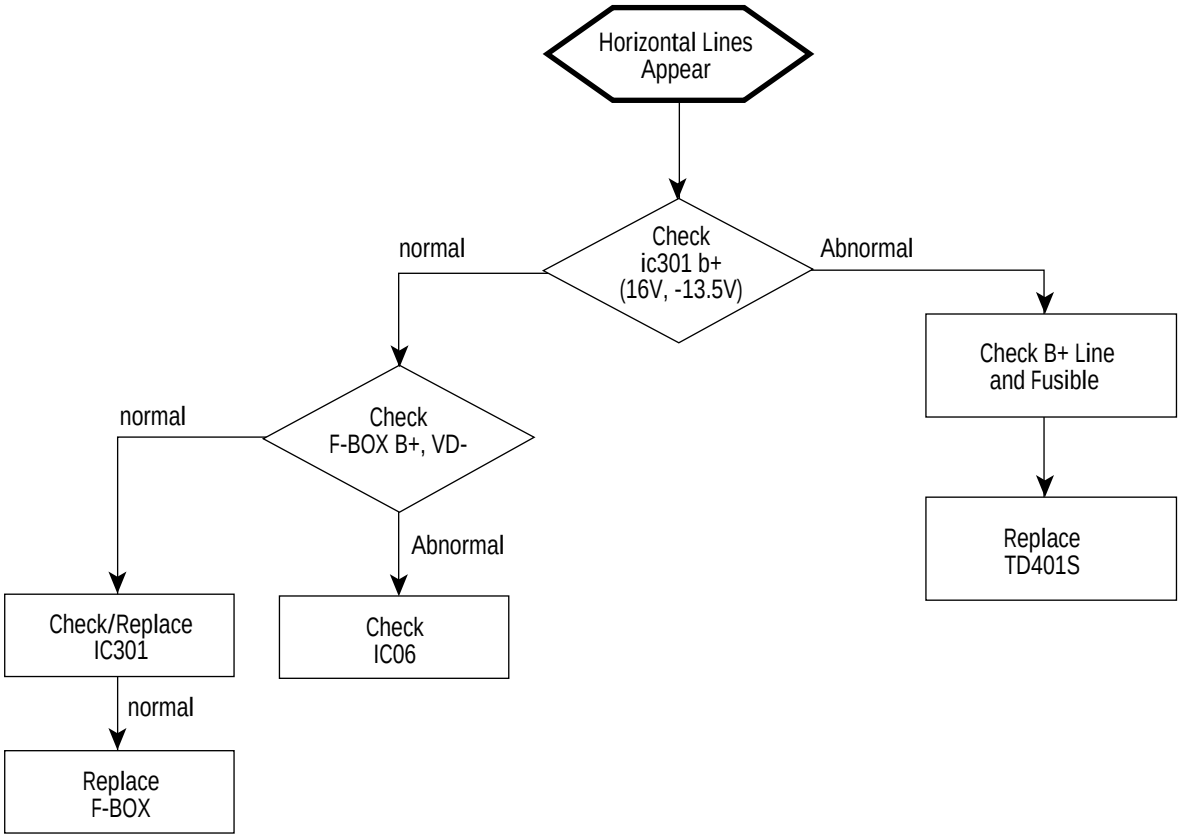
5-3 No Raster


Check POWER LED
Abnormal
normal
Check ST5V CN803 PIN 11
Abnormal
normal
Check VIN(DC) TS801S PIN 1
Abnormal
normal
Check FD802S FS811S
Check ST5V C838
Abnormal
normal
Check DZ801 DZ802
Check R455
Check ON/OFF CN803 PIN 12
Abnormal
normal
Check MICOM
Check Q802, D820 RL802S
Check B+(154V)
normal
Abnormal
GND SHORT
normal
Check QH400 2SC5612 QH400 2SC4125
Abnormal
Check Vin(dc)T801S
normal
Abnormal
Check DZ808,IC801S, R814,PC801S
Check FD801S D801S
Check F-BOX 5V, 9V
Abnormal
Check FA801S R809S
Abnormal
Check F-BOX HD,VD
Abnormal
Check F-BOX I C
Check Q404, QH400 2SC5612
Check H-BLK V-BLK
REPLACE F-BOX

5-4 No Sound


NO SOUND
Check CN601 signal
normal
Abnormal
Check Speaker and Wire
Check the input signal IC603 (7, 11)PIN
Abnormal
normal
Check the input signal IC601
Abnormal
Check IC603 B+
normal
Abnormal
Check Tuner B+ and SIF
normal
Replace IC603
Replace FA802S
Check IC601 B+
normal
Abnormal
Check IC601 (51,52)PIN
Check input signal PIN 47, 44
Replace B+(BV) LINE
Check Module Dolby-Module
normal
Check input signal PIN 25, 24
normal
Replace IC601

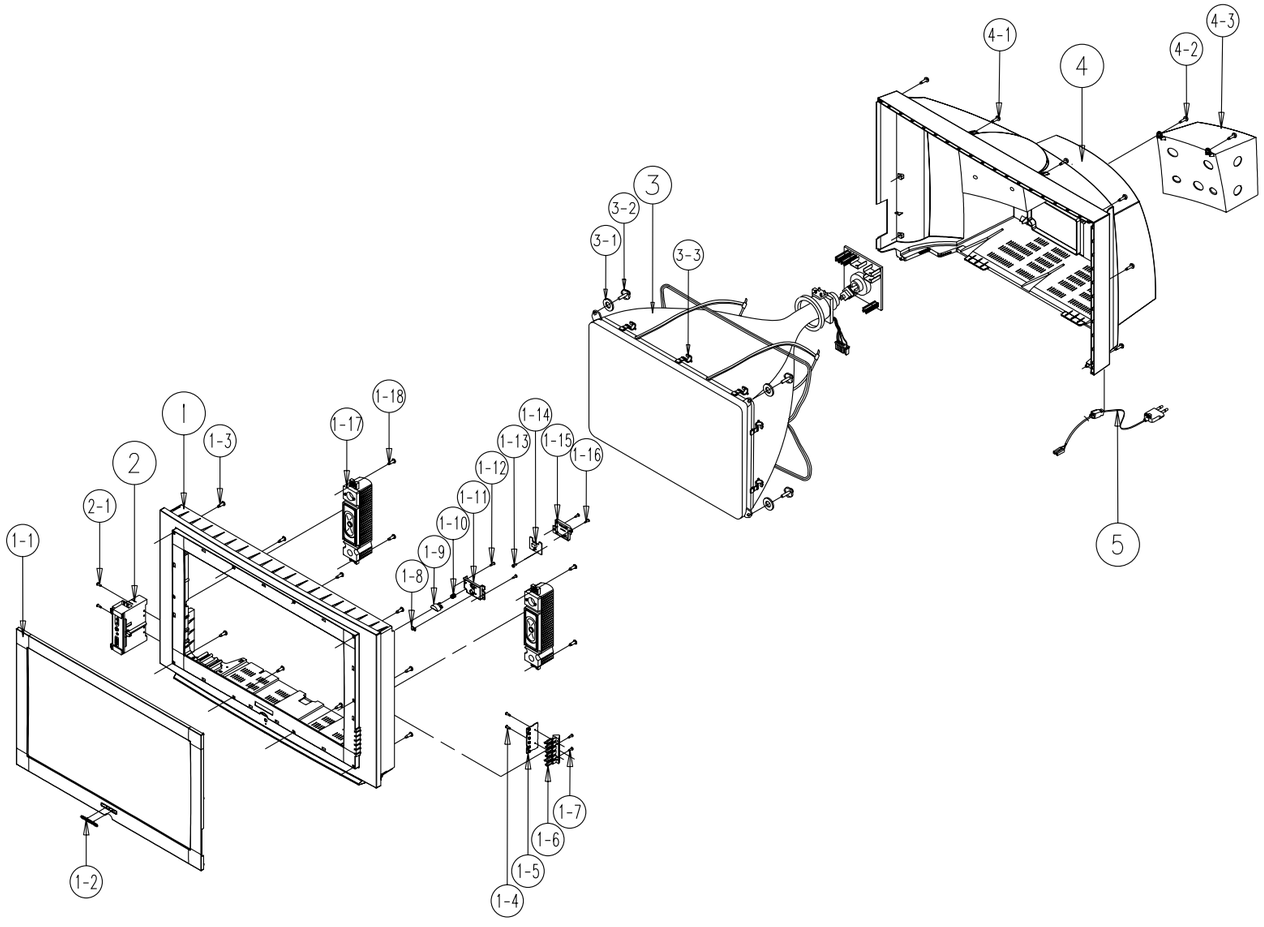
5-4 Horizontal Lines Appear on screen



MEMO

6. Exploded View & Parts List

6-1 TSL3099WF/XAA



No	Code No	Description	Specification	Q'ty	Remark
1	AA91-00469A	ASSY CABINET FRONT;-,WT-32Z5HR,P/W DO K5		1	
1	AA64-01197B	CABINET FRONT;WT-32Z5HR,WH019P DO K54A,H		1	
1-1	AA64-01199B	CABINET-MASK;32Z5,WH008P K54A DO,ABS,HB,		1	
1-2	AA64-01062B	BADGE BRAND;32Z5,AL FORGING,-,-,L65,SILV		1	
1-3	6003-001019	SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR		9	MAS+CF
1-4	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW		2	PCB+KC
1-5	AA41-00294A	PCB-CONTROL;WT-32Z5DI,FR-1,1L,A,1.6T,245		1	
1-6	AA64-01201B	KNOB CONTROL;32Z5,ABS,-,G3676,P/WHITE,HB		1	
1-7	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR		2	KC+CF
1-8	AA64-01203B	INDICATOR LED;32Z5,ACRYL,-,CLR,-,-,-		1	
1-9	AA64-01200B	KNOB POWER;32Z5,ABS,-,G3676,PEARL-WHT TA		1	
1-10	AA61-60003J	SPRING-CS;-,SUS304,0.5,OD6,H12,N7,-,-,-		1	
1-11	AA64-01202B	WINDOW REMOCON;32Z5,PC,-,-,-,VO,VIOLET,-		1	
1-12	6003-001019	SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR		2	WIN+CF
1-13	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW		1	PCB+HP
1-14	AA41-00310A	PCB-TACT SWITCH;WT-32Z5DI,FR-1,1L,A,1.6T		1	
1-15	AA61-00450B	HOLDER-POWER;32Z5,ABS,GRAY,HB,-,-		1	
1-16	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR		2	HP+CF
1-17	AA91-00486A	ASSY HOLDER SPK;-,PP,8ohm/10W,BLK,ZEUS S		1	
1-18	AA60-10050A	SCREW-ASSY;WP,RH,+,M4,L25,SWRCH18A,-,ZPC		4	DOME
2	AA61-00545A	HOLDER-AV,HOUSING ASSY;32Z5,ABS,GRAY,HB,		1	
2-1	6002-000522	SCREW-TAPPING;TH,+,2,M4,L15,ZPC(BLK),SWR		2	DR+CF
3	AA94-03114A	ASSY CRT;W76QED991X001,+380MG,32 INCH,-		1	
3-1	AA63-60004L	SPACER-GUM,CRT;NTR RUBBER,T3.0,BLK,NEW,-		4	CRT
3-2	AA60-10050V	SCREW-ASSY;WC,HH,+,M6,L30,SWRCH18A,ZPC(S		4	CRT+CF
3-3	AA65-30017A	CLAMP-D,COIL;NYLON-66,V0,NTR,DADH300,25		11	
4	AA64-01198B	CABINET BACK;32Z5,-,HIPS,VO,G4309		1	
4-1	AA60-10050T	SCREW-TAPPING;RH,+,2S,M4,L20,ZPC(BLK),SW		8	CB+CF
4-2	6006-001096	SCREW-ASS'Y TAPT;WP,BH,+,M4.0,L12,BLK,SW		4	WOOFER
4-3	AA91-00487A	ASSY HOLDER SPK;-,PP,8ohm/25W,-,ZEUS SUB			
5	AA96-20125E	ASSY POWER CORD;-,CP2/NO(4.8),H/S 150mm,		1	

7. Electrical Parts List

7-1 TSL3099WF/XAA

Loc. No.	Code No.	Description ; Specification	Remark

ASSY PCB MAIN(OPT)

	1	*AA94-02559B	ASSY PCB MAIN(OPT);WT-32Z5HR,K54A,KOREA,	
	..2 CJ701A	3722-001426	JACK-RCA;9P,3.4mm,NI,BLK,-	
	..2 CJ702A	3722-001163	JACK-VHS;4P,12mm,AU,BLK,N	
	..2 CJ704A	3722-001427	JACK-RCA;8P,3.4mm,NI,BLK,-	
	..2 CN601A	AA39-00191A	LEAD CONNECTOR ASSY;-,-,-,4P,-,-,-,35155	
	..2 CN803A	3711-003241	CONNECTOR-HEADER;BOX,14P,1R,2.5mm,STRAIG	
	..2 CN804A	3711-003241	CONNECTOR-HEADER;BOX,14P,1R,2.5mm,STRAIG	
	..2 GT101A	AA39-20010N	LEAD CONNECTOR ASSY;-,-,-,1P,-,-,-,YFH80	
⚠	..2 IC603	AA96-50367D	ASSY H/S;-,POWER,AA62-30181D,TDA7269,ZE	
	...3	0205-000129	GREASE-SILICON;SC102,JAPAN	S.N.A
	...3	1201-001385	IC-POWER AMP;7269A,ZIP,11,19.6,DUAL,13,P	
	...3	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
	...3	AA62-30181D	HEAT SINK-ES;-,AL6063 EXTR.,2,WHT,70MM,-	S.N.A
⚠	..2 IC802	AA96-50152A	ASSY-H/S;-,TR,AA62-30012A,KA7808,-	
	...3	1203-000293	IC-POSI.FIXED REG.;7808,TO-220,3P,-,PLAS	
	...3	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
	...3	AA62-30012A	HEAT SINK-ES;-,A6063 EXTR,-,-,T0220,-,-,	
⚠	..2 IC803	AA96-50152D	ASSY-H/S;-,MAIN,AA62-30012A,KA7809,-	
	...3	1203-000298	IC-POSI.FIXED REG.;7809,TO-220,3P,-,PLAS	
	...3	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
	...3	AA62-30012A	HEAT SINK-ES;-,A6063 EXTR,-,-,T0220,-,-,	
⚠	..2 IC804	AA96-50382B	ASSY-H/S;-,-,AA62-30180C,SI-3050,-	
	...3	1203-000203	IC-POSI.ADJUST REG.;3050,TO-220,5P,-,PLA	
	...3	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
	...3	AA62-30180C	HEAT SINK-ES;-,A6063 EXTR.,2,WHT,50MM,-	S.N.A
⚠	..2 IC805	AA96-50382B	ASSY-H/S;-,-,AA62-30180C,SI-3050,-	
⚠	..2 ICD603	AA96-50367D	ASSY H/S;-,POWER,AA62-30181D,TDA7269,ZE	
	..2 IF-CAB	AA39-30007A	IF-CABLE;-,T,100mm,1365#26	
⚠	..2 TU02S	AA40-00032A	TUNER-F/S;TCPN3081PC09A(S),NTSC,TR,181CH	
	..2	AA65-30110A	CLAMP-WIRE;NYLON 66,V2,BLK,PAL TVI,ALL M	S.N.A
	..2	0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	S.N.A
	..2	AA65-30018A	CLAMP-WIRE;NYLON-66,-,-,DATL-600,DONG-A,	S.N.A
	..2	AA65-30105A	CLAMP-WIRE;NYLON 66,V2,NTR,15MM,ALL MODE	S.N.A
	..2	AA65-30109A	CLAMP-FBT;NYLON-66,V2,BLK,-,-,-	S.N.A
	..2	AA99-30201W	ASSY-PCB ROBOT;AA94-02559B ,ER	S.N.A
	...3 CN501A	3711-003974	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
	...3 CN601	3711-003043	CONNECTOR-HEADER;BOX,4P,1R,2.5mm,STRAIGH	
	...3 CN702A	3711-003641	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
⚠	...3 IC601	1204-001594	IC-SOUND PROCESSOR;MSP3440G-B6,SDIP,52P,	
⚠	...3 IC602	1201-000407	IC-POWER AMP;7050,DIP,8P,-,SINGLE,-,PLAS	
⚠	...3 IC701	1001-001073	IC-VIDEO SWITCH;TEA6415C,VIDEO SWITCH,DI	
⚠	...3 IC702	1001-001113	IC-AUDIO SWITCH;TEA6422,SOUND SWITCH ,SD	
⚠	...3 IC703	1002-001193	IC-A/D&D/A CONVERTER;PCF8591P,8bit,DIP,1	
⚠	...3 IC806	1203-000165	IC-POSI.ADJUST REG.;78R12,TO-220,3P,-,-	
⚠	...3 IC905	1103-001213	IC-EEPROM;M24C16-WBN6,2048x8Bit,SDIP,8P,	
⚠	...3 ICG01	0801-000314	IC-CMOS LOGIC;74HCT86,OR GATE,DIP,14P,30	
⚠	...3 ICH01	1204-001454	IC-VOLUME CONTROL;TDA7449L,DIP,20P,300MI	
⚠	...3 TU01S	AA40-00020A	TUNER-F/S;TCLN3181PA09A(S),NTSC,TR,181CH	
	...3	AA99-10196W	ASSY-PCB MAIN,AUTO; AA99-30201W ,V	S.N.A
	....4C101	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
	....4C102	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
	....4C103	2401-002463	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
	....4C104	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
	....4C107	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
	....4C108	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
	....4C109	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
	....4C110	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
	....4C202	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
	....4C203	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
	....4C204	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
	....4C205	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
	....4C601	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
	....4C602	2202-000222	C-CERAMIC,MLC-AXIAL;3.3nF,20%,16V,Y5P,TP	
	....4C603	2301-000111	C-FILM,PEF;1.8nF,5%,50V,TP,6.5x3.0x5.5mm	
	....4C604	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
	....4C605	2202-000222	C-CERAMIC,MLC-AXIAL;3.3nF,20%,16V,Y5P,TP	
	....4C606	2301-000111	C-FILM,PEF;1.8nF,5%,50V,TP,6.5x3.0x5.5mm	
	....4C607	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
	....4C609	2301-000104	C-FILM,PEF;1.2nF,5%,50V,TP,6.5x3.0x5.5mm	
	....4C610	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
	....4C612	2301-000104	C-FILM,PEF;1.2nF,5%,50V,TP,6.5x3.0x5.5mm	
	....4C613	2202-000715	C-CERAMIC,MLC-AXIAL;1.2nF,20%,16V,Y5R,TP	
	....4C616	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
	....4C617	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
	....4C618	2201-000558	C-CERAMIC,DISC;0.47nF,10%,50V,Y5P,TP,5x3	
	....4C619	2201-000374	C-CERAMIC,DISC;0.22nF,5%,50V,NP0,TP,10.5	
	....4C620	2201-000112	C-CERAMIC,DISC;1.5nF,10%,50V,Y5V,TP,5x3.	
	....4C621	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
	....4C622	2401-001026	C-AL;3.3UF,20%,50V,GP,TP,5X11,5	
	....4C623	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
	....4C624	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
	....4C625	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
	....4C626	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
	....4C627	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
	....4C628	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
	....4C629	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
	....4C630	2201-000558	C-CERAMIC,DISC;0.47nF,10%,50V,Y5P,TP,5x3	
	....4C631	2202-000286	C-CERAMIC,MLC-AXIAL;56pF,5%,50V,SL,TP,1.	
	....4C632	2202-000286	C-CERAMIC,MLC-AXIAL;56pF,5%,50V,SL,TP,1.	
	....4C633	2201-000304	C-CERAMIC,DISC;0.001nF,0.25pF,50V,NP0,TP	
	....4C634	2201-000304	C-CERAMIC,DISC;0.001nF,0.25pF,50V,NP0,TP	
	....4C635	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
	....4C636	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
	....4C637	2301-000232	C-FILM,PEF;3.3nF,5%,50V,TP,8.1x4.5x13mm,	
	....4C638	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
	....4C640	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
	....4C642	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
	....4C643	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
	....4C644	2401-000192	C-AL;1000uF,20%,50V,GP,TP,16x25,7.5	
	....4C645	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
	....4C646	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
	....4C647	2401-000192	C-AL;1000uF,20%,50V,GP,TP,16x25,7.5	
	....4C648	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
	....4C649	2202-000183	C-CERAMIC,MLC-AXIAL;2.2NF,20%,16V,Y5R,TP	
	....4C650	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
	....4C651	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
	....4C652	2202-000183	C-CERAMIC,MLC-AXIAL;2.2NF,20%,16V,Y5R,TP	
	....4C653	2401-002216	C-AL;2200uF,20%,35V,GP,TP,16x25,7.5	
	....4C654	2201-000119	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
	....4C655	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
	....4C656	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
	....4C657	2401-002300	C-AL;47uF,20%,50V,GP,TP,6.3x11,5	
	....4C659	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
	....4C660	2301-000232	C-FILM,PEF;3.3nF,5%,50V,TP,8.1x4.5x13mm,	
	....4C661	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
	....4C663	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
	....4C701	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
	....4C702	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
	....4C703	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
	....4C704	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
	....4C705	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
	....4C706	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
	....4C708	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
	....4C709	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
	....4C710	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
	....4C711	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
	....4C712	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
	....4C713	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
	....4C714	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
	....4C715	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	

Loc. No.	Code No.	Description ; Specification	Remark
....4C716	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4C717	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4C718	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4C719	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4C720	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4C721	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4C722	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4C723	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4C724	2305-000355	C-FILM,MPEF;330nF,5%,63V,TP,-,5mm	
....4C725	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4C726	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4C727	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4C728	2305-000355	C-FILM,MPEF;330nF,5%,63V,TP,-,5mm	
....4C729	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4C730	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4C731	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4C732	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4C733	2201-000982	C-CERAMIC,DISC;10nF,+80-20%,50V,Y5V,TP,4	
....4C734	2401-001363	C-AL;470uF,20%,16V,GP,TP,10x12.5,5	
....4C735	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4C738	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4C739	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4C740	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4C741	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4C745	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4C746	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4C747	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4C801	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
....4C802	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4C803	2401-001363	C-AL;470uF,20%,16V,GP,TP,10x12.5,5	
....4C804	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4C805	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
....4C806	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4C807	2401-001363	C-AL;470uF,20%,16V,GP,TP,10x12.5,5	
....4C808	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4C809	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
....4C810	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4C811	2401-001363	C-AL;470uF,20%,16V,GP,TP,10x12.5,5	
....4C812	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4C813	2401-001363	C-AL;470uF,20%,16V,GP,TP,10x12.5,5	
....4C814	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4C815	2401-001363	C-AL;470uF,20%,16V,GP,TP,10x12.5,5	
....4C816	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4C819	2401-001363	C-AL;470uF,20%,16V,GP,TP,10x12.5,5	
....4C820	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4C825	2401-000287	C-AL;100uF,20%,16V,WT,TP,6.3x11,5	
....4C901	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4C902	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4C903	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4C905	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4C906	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4C907	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4CB01	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4CB02	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4CD03	2401-002216	C-AL;2200uF,20%,35V,GP,TP,16x25,7.5	
....4CD04	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4CD05	2401-002216	C-AL;2200uF,20%,35V,GP,TP,16x25,7.5	
....4CD06	2401-002216	C-AL;2200uF,20%,35V,GP,TP,16x25,7.5	
....4CD07	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4CD09	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
....4CD11	2401-000365	C-AL;100uF,20%,50V,WT,TP,10x12.5mm,	
....4CD12	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
....4CD20	2301-000289	C-FILM,PEF;5.6nF,5%,50V,TP,7x6x3,5	
....4CD21	2301-000342	C-FILM,PEF;2.2nF,5%,50V,TP,7.4x3.9x13mm,	
....4CG01	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4CG02	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4CG03	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4CG04	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4CG05	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4CH01	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4CH02	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4CH03	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4CH04	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4CH05	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4CN904A	3711-002644	CONNECTOR-HEADER;BOX,5P,1R,2.5mm,STRAIGH	
....4CN905A	3711-002647	CONNECTOR-HEADER;BOX,8P,1R,2.5mm,STRAIGH	
....4CND501	3711-002647	CONNECTOR-HEADER;BOX,8P,1R,2.5mm,STRAIGH	
....4CND502	3711-002646	CONNECTOR-HEADER;BOX,7P,1R,2.5mm,STRAIGH	
....4CP03	2401-002463	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
....4CP04	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
....4CP07	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4CP08	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4CS02	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4CS16	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4CS30	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4D201	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4D202	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4D203	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4D601	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4D602	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4D603	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4D604	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4D605	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
....4D606	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
....4D607	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
....4D608	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
....4DG01	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4DX01	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4DX02	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4DZ101	0403-000700	DIODE-ZENER;TZP33A,33V,31-35V,1W,DO-41,T	
....4DZ201	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
....4DZ202	0403-001320	DIODE-ZENER;MTZJ6.2C,6.12-6.44V,500mW,DO	
....4DZ203	0403-000367	DIODE-ZENER;UZ7.5BSC,7.5V,7.33-7.64V,500	
....4DZ204	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4DZ601	0403-001316	DIODE-ZENER;MTZJ3.0A,2.85-3.07V,500mW,DO	
....4DZ602	0403-000367	DIODE-ZENER;UZ7.5BSC,7.5V,7.33-7.64V,500	
....4DZ603	0403-000367	DIODE-ZENER;UZ7.5BSC,7.5V,7.33-7.64V,500	
....4DZ606	0403-000700	DIODE-ZENER;TZP33A,33V,31-35V,1W,DO-41,T	
....4DZ607	0403-000700	DIODE-ZENER;TZP33A,33V,31-35V,1W,DO-41,T	
....4J347	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
....4L101	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
....4L102	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4L103	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4L104	2701-000116	INDUCTOR-AXIAL;10uH,10%,4.2x9.8mm	
....4L106	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
....4L601	2701-000170	INDUCTOR-AXIAL;3.9uH,10%,3x7mm	
....4L602	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
....4L603	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
....4L604	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
....4L701	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
....4L702	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4L703	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4L704	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4L705	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4L706	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4L707	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4L708	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
....4L709	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4L710	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4L711	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4L712	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4L801	2701-001040	INDUCTOR-AXIAL;10uH,10%,4.5x14mm	
....4L802	2701-001040	INDUCTOR-AXIAL;10uH,10%,4.5x14mm	
....4L901	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
....4L902	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4LG01	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
....4LH01	2701-000170	INDUCTOR-AXIAL;3.9uH,10%,3x7mm	
....4LP02	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4LP03	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4LP04	2701-000116	INDUCTOR-AXIAL;10uH,10%,4.2x9.8mm	
....4LP06	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
....4LS07	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
....4Q201	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4Q202	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4Q601	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4Q602	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4Q603	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4Q702	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4Q703	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4Q704	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4Q705	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4Q706	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4Q707	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4Q708	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	

Loc. No.	Code No.	Description ; Specification	Remark
....4Q709	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4Q710	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
....4Q711	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4Q901	0504-001061	TR-DIGITAL;KRC111M,NPN,400mW,10K,TO-92M,	
....4Q902	0504-001061	TR-DIGITAL;KRC111M,NPN,400mW,10K,TO-92M,	
....4QG01	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4QG02	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4QG03	0504-001061	TR-DIGITAL;KRC111M,NPN,400mW,10K,TO-92M,	
....4R101	2001-001006	R-CARBON;82OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R102	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R103	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R110	2003-001093	R-METAL OXIDE(S);12Kohm,5%,2W,AF,TP,3.9x	
....4R113	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R115	2001-001006	R-CARBON;82OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R203	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R204	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R205	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R208	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R209	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R210	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
....4R211	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
....4R212	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R213	2001-001006	R-CARBON;82OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R214	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R215	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R216	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R217	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4R218	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R219	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R220	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R233	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R234	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R235	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R236	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R601	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R602	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R603	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R604	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R607	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R608	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4R609	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R610	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4R611	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R614	2001-001187	R-CARBON(S);75OHM,5%,1/2W,AA,TP,2.4X6.4M	
....4R618	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R619	2001-001146	R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4	
....4R622	2001-001146	R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4	
....4R623	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R624	2001-001050	R-CARBON(S);1.5KOHM,5%,1/2W,AA,TP,2.4X6.	
....4R625	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R626	2001-001178	R-CARBON(S);680OHM,5%,1/2W,AA,TP,2.4X6.4	
....4R627	2001-001178	R-CARBON(S);680OHM,5%,1/2W,AA,TP,2.4X6.4	
....4R628	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R629	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R630	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R631	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4R632	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R635	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R636	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R637	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R638	2004-000253	R-METAL;11Kohm,1%,1/8W,AA,TP,1.8x3.2mm	
....4R639	2004-000253	R-METAL;11Kohm,1%,1/8W,AA,TP,1.8x3.2mm	
....4R701	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R702	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R703	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R704	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R705	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R706	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R707	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R708	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4R709	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4R710	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4R711	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R713	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4R714	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R715	2001-000554	R-CARBON;270OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R716	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R717	2001-000554	R-CARBON;270OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R718	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R719	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R720	2001-000938	R-CARBON;68OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R721	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R722	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R723	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R724	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R725	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R726	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R727	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R728	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R729	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R730	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R731	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R732	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R733	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R734	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R735	2001-000003	R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2mm	
....4R736	2001-000003	R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2mm	
....4R737	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R738	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R739	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R740	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R741	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R742	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R743	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R744	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R745	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R746	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R747	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R750	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R751	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R752	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R753	2001-000761	R-CARBON;430OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R754	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R755	2001-000761	R-CARBON;430OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R756	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R758	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R759	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R764	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R765	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R901	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R902	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R903	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R904	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R905	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R906	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R907	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R908	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4R909	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4R910	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4RC01	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4RC02	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4RC103	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4RD12	2001-001146	R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4	
....4RD13	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4RD17	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4RD19	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
....4RD20	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
....4RD21	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4RD26	2001-001050	R-CARBON(S);1.5KOHM,5%,1/2W,AA,TP,2.4X6.	
....4RD29	2001-000313	R-CARBON;11KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4RD30	2001-000313	R-CARBON;11KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4RD60	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4RG01	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4RG02	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4RG03	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4RG04	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4RG05	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4RG06	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4RG08	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4RH01	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4RH02	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4RN701	2011-000155	R-NETWORK;10Kohm,5%,1/8W,A,SIP,5P,BK	
....4RX01	2001-000037	R-CARBON(S);330OHM,5%,1/2W,AA,TP,2.4X6.4	
....4RX02	2001-001178	R-CARBON(S);680OHM,5%,1/2W,AA,TP,2.4X6.4	

Loc. No.	Code No.	Description ; Specification	Remark
....4X601	2801-003903	CRYSTAL-UNIT;18.432MHz,25ppm,28-AAM,12pF	
....4	AA41-00300B	PCB-MAIN;WT-32Z5HR,FR-1,1L,B,1.6T,330x2	
..2	AA26-00069A	TRANS FBT;FUJ-29C002C(S),DREAM3,4,-,-,-,	
..2	AA65-30009A	CLAMP-FBT;ABS,V0,BLK,-,-,-	S.N.A
..2	AA27-00115A	COIL DEGAUSSING;-,-,21.0mH,-,75T,9ohm,-,	
..2	0205-000129	GREASE-SILICON;SC102,JAPAN	S.N.A
..2	AA65-30017A	CLAMP-D,COIL;NYLON-66,V0,NTR,DADH300,25	S.N.A
..2	AA65-30105C	CLAMP-WIRE;ALL MODEL,NYLON 66,V2,NTR,5MM	S.N.A

ASSY PCB POWER

1	*AA95-00869A	ASSY PCB POWER;WT-32Z5HR,K54A,32,220V,K	
⚠ ..2 C477	2301-000213	C-FILM,PEF;220nF,5%,250V,TP,21.5x11,7.5	
⚠ ..2 C809	2306-000323	C-FILM,MPPF;2.2nF,5%,1.6KV,TP,28.5x15.5x	
⚠ ..2 C813	2401-003370	C-AL;47uF,20%,450V,GP,BK,16X35.5,7.	
⚠ ..2 C814	2401-003566	C-AL;680uF,20%,450V,GP,BK,40x50mm,2	
⚠ ..2 C819	2401-002287	C-AL;470uF,20%,200V,WT,BK,25x40,10	
⚠ ..2 C820	2401-003024	C-AL;220uF,20%,200V,WT,TP,22x35,10	
⚠ ..2 C822	2401-001068	C-AL;3300uF,20%,50V,GP,BK,22x40,10	
⚠ ..2 CN801	3711-003052	CONNECTOR-HEADER;BOX,10P,1R,2.5mm,STRAGH	
⚠ ..2 CN803	3710-001103	CONNECTOR-SOCKET;14P,1R,2.5mm,STRAIGHT,S	
⚠ ..2 CN804	3710-001103	CONNECTOR-SOCKET;14P,1R,2.5mm,STRAIGHT,S	
⚠ ..2 CR401S	2301-001398	C-FILM,MPPF;3.3nF,5%,2kV,TP,29x8.5x1.5mm	
⚠ ..2 CR402S	2301-001343	C-FILM,MPPF;3.9nF,5%,2kV,TP,29x9.5x16mm,	
⚠ ..2 CR403S	2301-001418	C-FILM,MPPF;1.5nF,5%,2kV,TP,29x7x13.5mm,	
⚠ ..2 CR404S	2301-001422	C-FILM,PPF;22nF,5%,800V,BK,29x10.5x17mm,	
⚠ ..2 CR405S	2301-001257	C-FILM,MPPF;640nF,5%,400V,TP,26x14.5x24,	
⚠ ..2 CR407S	2306-000350	C-FILM,MPPF;270NF,5%,400V,TP,26X18.5X10M	
⚠ ..2 CR408S	2301-001432	C-FILM,MPPF;120nF,5%,630V,TP,19x11.5x18m	
⚠ ..2 CR409S	2306-000326	C-FILM,MPPF;4.7nF,5%,1.6KV,TP,28.5x16x9m	
⚠ ..2 CR410S	2303-000128	C-FILM,PPF;12nF,5%,1.6KV,BK,31x21x14,25m	
⚠ ..2 CR411S	2301-001091	C-FILM,MPPF;470nF,5%,400V,TP,26x21.5x14.	
⚠ ..2 CX801S	2306-000318	C-FILM,MPPF;220nF,20%,250V,TP,-,22.5mm	
⚠ ..2 CX803S	2306-000112	C-FILM,MPPF;100nF,20%,250V,BK,-,15mm	
⚠ ..2 CY801S	2201-000539	C-CERAMIC,DISC;4.7nF,20%,250V,Y5V,BK,16x	
⚠ ..2 CY802S	2201-000539	C-CERAMIC,DISC;4.7nF,20%,250V,Y5V,BK,16x	
⚠ ..2 D410	0402-000236	DIODE-RECTIFIER;GI824,400V,5A,-,TP	
⚠ ..2 D801S	AA96-50310C	ASSY H/S;-,POWER,AA62-30150C,GSIB 660,B	
...3	AA62-30150C	HEAT SINK-ES;-,A6063 EXTR,-,WHT,40(24.5)	
...3	AA60-30003A	WASHER;-,-,-,T1.5,-,SBHG-1,-	S.N.A
...3	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
...3	0402-001399	DIODE-BRIDGE;GSIB660,600V,6A,SIP-4,BK	
...3	0205-000129	GREASE-SILICON;SC102,JAPAN	S.N.A
⚠ ..2 D804	0402-000250	DIODE-RECTIFIER;RG4C,1000V,1A,-	
⚠ ..2 D819	0402-000233	DIODE-RECTIFIER;FML-G12S,200V,5A,-,-	
⚠ ..2 FD801S	3601-000300	FUSE-CARTRIDGE;250V,6.3A,SLOW-BLOW,GLASS	
⚠ ..2 GTH01	AA39-00193A	LEAD CONNECTOR ASSY;-,-,-,3P,-,-,-,YFH80	
⚠ ..2 IC301	AA96-50381A	ASSY-H/S;-,-,AA62-30180B,LA7845,-	
...3	0205-000129	GREASE-SILICON;SC102,JAPAN	S.N.A
...3	1204-000517	IC-VERTIVAL DEF.;LA7845,SIP,7P,-,PLASTIC	
...3	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
...3	AA62-30180B	HEAT SINK-ES;-,A6063 EXTR.,2,WHT,70MM,-,	
⚠ ..2 IC403	1201-000191	IC-OP AMP;4558,DIP,8P,300MIL,DUAL,20V/mV	
⚠ ..2 IC801S	AA96-00490A	ASSY H/S;-,POWER,AA62-30173J,STR 6658B,	
...3	0205-000129	GREASE-SILICON;SC102,JAPAN	S.N.A
...3	1203-002091	IC-PWM CONTROLLER;6658,TO-220,5P,-,PLAST	
...3	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
...3	AA62-30173J	HEAT SINK-ES;ZESUS,A6063 EXTR,2.0,90.2,7	
⚠ ..2 IC803S	AA13-00024A	IC-HYBRID;-,TNY253P,-,8PIN,-,-	
⚠ ..2 L402	3301-000374	CORE-FERRITE BEAD;AA,3.5x1.0x9.0mm,-,-	
⚠ ..2 L403	3301-000374	CORE-FERRITE BEAD;AA,3.5x1.0x9.0mm,-,-	
⚠ ..2 L812	AA27-10002L	COIL-CHOKE;-,24UH,K,-,2A,-,24UH-K,10X10M	
⚠ ..2 L815	AA27-10002L	COIL-CHOKE;-,24UH,K,-,2A,-,24UH-K,10X10M	
⚠ ..2 LC401S	AA27-00104A	COIL LINEARITY;4.0uH,4.0uH,DR 15X18,-,18	
⚠ ..2 LC402S	AA27-00107A	COIL HORIZ. WIDTH;-,10mH,DR 17X25,-,BK,4	
⚠ ..2 LC403S	AA27-00105A	COIL HORIZ. WIDTH;-,55uH,DR 15X27.5,-,BK	
⚠ ..2 LC404S	AA27-40001S	COIL-HORIZ.WIDTH;-,110UH,SB-5S8202.6,PI0	
⚠ ..2 LX804S	AA29-30002D	FILTER-LINE NOISE;-,10mH,2.8A,-,SQE-3535	
⚠ ..2 NT802S	1404-001045	THERMISTOR-NTC;4.7OHM,15%,2900K,35.0MW,T	
⚠ ..2 PC801S	0604-001038	PHOTO-COUPLER;TR,130-260%,200mW,DIP-4,ST	
⚠ ..2 PC802S	0604-001032	PHOTO-COUPLER;TR,170-260%,300mW,DIP-4,ST	
⚠ ..2 PT801S	1404-001026	THERMISTOR-PTC;7ohm,20%,-,290V,25A,-,ST	
⚠ ..2 Q403	1203-000162	IC-POSI.ADJUST REG.;317,TO-220,3P,-,PLAS	
⚠ ..2 Q404	0505-001116	FET-SILICON;BUZ73A,N,200V,22A,0.6ohm,40W	
⚠ ..2 Q410	AA96-50378A	ASSY-H/S;-,-,AA62-30183A,KSD73Y,-	
...3	0205-000129	GREASE-SILICON;SC102,JAPAN	S.N.A
...3	0502-000298	TR-POWER;KSD73,NPN,30000mW,TO-220,TP,12	
...3	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
...3	AA62-30183A	HEAT SINK-ES;A6063,EXTR,SILVER,WHT,ANOD,	
⚠ ..2 Q801	1004-000101	IC-ECC;SE-140N,DIP,-,-,ST,-,PLASTIC,1	
⚠ ..2 QH400	AA96-00584A	ASSY H/S;-,POWER,AA62-00073C,2SD921,FMQ	
...3	6003-000335	SCREW-TAPTITE;RH,+,2S,M3,L8,ZPC(YEL),SWR	
...3	AA60-30001A	WASHER-PLATE;M3,ID3.5,15X8.5,T1.0,-,SBHG	S.N.A
...3	AA61-00469B	BRACKET;ZESUS,SECC,T1.0,14.5,33.5,-,H/	
...3	AA62-00073C	HEAT SINK;ZEUS,A1050S,T2.0,W130,L120,SIL	
...3	AA73-00001A	RUBBER;ZEUS,SILICON,25*31,6,T0.5,GRAY	
...3	0505-001202	FET-SILICON;IRFS640A,N,200V,9.8A,0.18ohm	
...3	0205-000129	GREASE-SILICON;SC102,JAPAN	S.N.A
...3	0402-001176	DIODE-RECTIFIER;FMQ-G5GS,1.7KV,10A,TO-22	
...3	0502-001100	TR-POWER;2SC4125,NPN,70W,TO-3PML,BK,8-	
...3	0502-001104	TR-POWER;2SD921,NPN,80W,TO-3P,BK,700-	
...3	0502-001187	TR-POWER;2SC5612,NPN,220000mW,TO-3PL,BK	
⚠ ..2 QH810	AA96-00309B	ASSY H/S;-,POWER,AA62-00061A,FMG-G2CS(1	
...3	AA62-00061A	HEAT SINK-PS;-,-,T1.0,SILVER,-,-,-,-,104	S.N.A
...3	6003-000335	SCREW-TAPTITE;RH,+,2S,M3,L8,ZPC(YEL),SWR	
...3	0402-001230	DIODE-RECTIFIER;FMG-G2CS,1000V,3A,TO-220	
...3	0402-000233	DIODE-RECTIFIER;FML-G12S,200V,5A,-,-	
...3	0205-000129	GREASE-SILICON;SC102,JAPAN	S.N.A
⚠ ..2 R812	2009-001096	R-METAL PLATE;0.07ohm,5%,5W,CL,BK,5x14x1	
⚠ ..2 RL801S	3501-001040	RELAY-POWER;12VDC,500mW,10A,1FormA,15mS,	
⚠ ..2 RL802S	3501-001053	RELAY-POWER;5Vdc,530mW,10A,1FormA,15mS,5	
⚠ ..2 T401	AA26-50001S	TRANS-HORIZ.DRIVE;-,6.0mH,44uH,1.5uH,EI2	
⚠ ..2 T444S	AA26-00090A	TRANS FBT;FUJ29A006(S),-,0.35mH,-,-,-,14	
⚠ ..2 T801S	AA26-00074A	TRANS SWITCHING;CODE-NO,WT-32Z5,-,AC90~2	
⚠ ..2 TD401S	AA26-00079A	TRANS-DUMMY;-,-,18P,4mH,155V,12Ap_p,-,13	
⚠ ..2 TD402S	AA26-00091A	TRANS-HV-STORAGE;4mH,-,14P,830uH,180V,10	
⚠ ..2 TS801S	AA26-00055A	TRANS SWITCHING;-,-,-,AC80~280V,-,-,-,4m	
..2	AA99-20083M	ASSY-PCB SUB,AUTO; AA95-00869A ,V	S.N.A
...3 C301	2301-000160	C-FILM,PEF;12nF,5%,50V,TP,11.0x6.0x9.0mm	
...3 C302	2201-000132	C-CERAMIC,DISC;0.1nF,10%,500V,Y5P,TP,6.5	
...3 C304	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
...3 C305	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5,5	
...3 C306	2305-000285	C-FILM,MPEF;220NF,5%,100V,TP,10.5X5.5X15	
...3 C307	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5	
...3 C308	2305-000407	C-FILM,MPEF;470nF,5%,100V,TP,-,5mm	
⚠ ...3 C416	2401-000430	C-AL;10uF,20%,250V,GP,TP,10x16mm,5m	
⚠ ...3 C418	2201-000291	C-CERAMIC,DISC;1nF,10%,500V,Y5P,TP,7.5x3	
⚠ ...3 C420	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.	
⚠ ...3 C421	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.	
⚠ ...3 C422	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.	
⚠ ...3 C423	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.	
⚠ ...3 C424	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
⚠ ...3 C425	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
⚠ ...3 C426	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
⚠ ...3 C427	2401-003139	C-AL;1000uF,20%,25V,WT,TP,10*20,5mm	
⚠ ...3 C428	2401-002231	C-AL;470uF,20%,50V,WT,TP,13x20mm,5m	
⚠ ...3 C429	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.	
⚠ ...3 C430	2401-002288	C-AL;470uF,20%,25V,WT,TP,10x20,5	
⚠ ...3 C431	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
⚠ ...3 C432	2201-000180	C-CERAMIC,DISC;10nF,10%,50V,Y5V,TP,7x3,5	
⚠ ...3 C433	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5,5	
⚠ ...3 C442	2401-001563	C-AL;47uF,20%,400V,GP,TP,16x25,7.5	
⚠ ...3 C450	2301-000020	C-FILM,PEF;27nF,5%,100V,TP,7.3x4x12.5mm,	
⚠ ...3 C451	2401-003058	C-AL;100uF,20%,200V,WT,TP,16x25,7.5	
⚠ ...3 C452	2401-001989	C-AL;4.7uF,20%,50V,BP,TP,5x11,5	
⚠ ...3 C472	2401-003058	C-AL;100uF,20%,200V,WT,TP,16x25,7.5	
⚠ ...3 C480	2301-000200	C-FILM,PEF;2.2nF,5%,200V,TP,11.0x6.0x9.0	
⚠ ...3 C483	2401-000667	C-AL;2.2uF,20%,50V,WT,TP,5x11,5	
⚠ ...3 C484	2201-000132	C-CERAMIC,DISC;0.1nF,10%,500V,Y5P,TP,6.5	
⚠ ...3 C803	2201-000315	C-CERAMIC,DISC;2.2nF,+80-20%,250V,Y5U,TP	
⚠ ...3 C804	2201-000119	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
⚠ ...3 C805	2201-002076	C-CERAMIC,DISC;0.068nF,5%,1kV,SL,TP,8x4m	
⚠ ...3 C806	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5,5	
⚠ ...3 C808	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3.5,	
⚠ ...3 C810	2401-001914	C-AL;1uF,20%,50V,BP,TP,5x11,5	
⚠ ...3 C811	2201-000315	C-CERAMIC,DISC;2.2nF,+80-20%,250V,Y5U,TP	
⚠ ...3 C812	2201-000332	C-CERAMIC,DISC;2.2nF,20%,250V,Y5U,TP,9x4	
⚠ ...3 C816	2201-002041	C-CERAMIC,DISC;0.82nF,10%,2kV,Y5P,TP,9x5	
⚠ ...3 C818	2201-000551	C-CERAMIC,DISC;0.47nF,10%,1kV,Y5P,TP,6.3	
⚠ ...3 C821	2201-000551	C-CERAMIC,DISC;0.47nF,10%,1kV,Y5P,TP,6.3	
⚠ ...3 C823	2301-001171	C-FILM,PPF;10nF,5%,400V,TP,20x6.5x13,7.5	

Loc. No.	Code No.	Description ; Specification	Remark
⚠...3 C824	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.	
⚠...3 C825	2401-000722	C-AL;2200uF,20%,25V,WT,TP,16x25,7.5	
⚠...3 C826	2401-000722	C-AL;2200uF,20%,25V,WT,TP,16x25,7.5	
⚠...3 C827	2301-000192	C-FILM,PEF;1nF,5%,50V,TP,5.3x10mm,5mm	
⚠...3 C828	2401-000722	C-AL;2200uF,20%,25V,WT,TP,16x25,7.5	
⚠...3 C829	2401-001397	C-AL;470uF,20%,25V,GP,TP,10x16,5	
⚠...3 C830	2401-002459	C-AL;220uF,20%,25V,LZ,TP,10x16,5	
⚠...3 C833	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
⚠...3 C834	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
⚠...3 C835	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.	
⚠...3 C838	2401-001363	C-AL;470uF,20%,16V,GP,TP,10x12.5,5	
⚠...3 C839	2201-000551	C-CERAMIC,DISC;0.47nF,10%,1kV,Y5P,TP,6.3	
⚠...3 CR406S	2301-001401	C-FILM,PPF;27nF,5%,630V,TP,19x11x17mm,7.	
⚠...3 D301	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
⚠...3 D401	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
⚠...3 D402	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
⚠...3 D404	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
⚠...3 D405	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
⚠...3 D408	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
⚠...3 D409	0402-000534	DIODE-RECTIFIER;RG10V,400V,1.2A,DO-201,T	
⚠...3 D411	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
⚠...3 D413	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
⚠...3 D414	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
⚠...3 D420	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
⚠...3 D431	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
⚠...3 D440	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
⚠...3 D444	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
⚠...3 D474	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
⚠...3 D801	0402-000532	DIODE-RECTIFIER;ERC13-08,800V,1.2A,DO-20	
⚠...3 D802	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
⚠...3 D803	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
⚠...3 D805	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
⚠...3 D806	0402-000532	DIODE-RECTIFIER;ERC13-08,800V,1.2A,DO-20	
⚠...3 D807	0402-000532	DIODE-RECTIFIER;ERC13-08,800V,1.2A,DO-20	
⚠...3 D812	0403-000716	DIODE-ZENER;MTZJ4.7B,4.7V,4.55-4.8V,500m	
⚠...3 D813	0402-000534	DIODE-RECTIFIER;RG10V,400V,1.2A,DO-201,T	
⚠...3 D815	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
⚠...3 D816	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
⚠...3 D820	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
⚠...3 D821	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
...3 DZ301	0403-001329	DIODE-ZENER;MTZJ24B,22.61-23.77V,500mW,D	
...3 DZ302	0403-001329	DIODE-ZENER;MTZJ24B,22.61-23.77V,500mW,D	
...3 DZ303	0403-001221	DIODE-ZENER;UZ39BSB,35.36-37.19V,500MW,D	
...3 DZ304	0403-000700	DIODE-ZENER;TZP33A,33V,31-35V,1W,DO-41,T	
...3 DZ305	0403-001325	DIODE-ZENER;MTZJ15C,14.35-15.09V,500mW,D	
...3 DZ306	0403-000716	DIODE-ZENER;MTZJ4.7B,4.7V,4.55-4.8V,500m	
...3 DZ307	0403-001330	DIODE-ZENER;MTZJ30A,26.99-28.39V,500mW,D	
⚠...3 DZ400	0403-001327	DIODE-ZENER;MTZJ18A,16.22-17.06V,500mW,D	
⚠...3 DZ401	0403-001322	DIODE-ZENER;MTZJ8.2B,7.78-8.19V,500mW,DO	
⚠...3 DZ402	0403-000718	DIODE-ZENER;MTZJ6.8B,6.8V,6.49-6.83V,500	
⚠...3 DZ403	0403-001327	DIODE-ZENER;MTZJ18A,16.22-17.06V,500mW,D	
⚠...3 DZ410	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
⚠...3 DZ801	0403-001322	DIODE-ZENER;MTZJ8.2B,7.78-8.19V,500mW,DO	
⚠...3 DZ802	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
⚠...3 DZ803	0403-001327	DIODE-ZENER;MTZJ18A,16.22-17.06V,500mW,D	
⚠...3 DZ805	0406-001106	DIODE-TVS;P6KE300A,285/-/315V,600W,DO-20	
⚠...3 DZ806	0406-001106	DIODE-TVS;P6KE300A,285/-/315V,600W,DO-20	
⚠...3 DZ807	0403-000718	DIODE-ZENER;MTZJ6.8B,6.8V,6.49-6.83V,500	
⚠...3 DZ808	0403-000700	DIODE-ZENER;TZP33A,33V,31-35V,1W,DO-41,T	
⚠...3 FA801S	3601-001163	FUSE-AXIAL LEAD;125V,7A,-,EPOXY,2.4X7.1M	
⚠...3 FA802S	3601-001228	FUSE-AXIAL LEAD;125V,10A,FAST-ACTING,EPO	
⚠...3 FD801A	3602-000114	FUSE-HOLDER;-,-,30mohm	
⚠...3 FD801B	3602-000114	FUSE-HOLDER;-,-,30mohm	
⚠...3 FD802S	3601-000120	FUSE-AXIAL LEAD;125V,2.5A,FAST-ACTING,GL	
...3 L302	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
...3 L303	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
⚠...3 L412	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
⚠...3 L481	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
⚠...3 L483	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
⚠...3 L803	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
⚠...3 L804	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
⚠...3 L805	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
⚠...3 L806	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
⚠...3 L807	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
⚠...3 L808	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
⚠...3 L809	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
⚠...3 L810	2701-001030	INDUCTOR-AXIAL;43uH,10%,5x14mm	
⚠...3 L811	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
⚠...3 L813	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
⚠...3 L814	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
⚠...3 L817	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
⚠...3 L818	2701-001030	INDUCTOR-AXIAL;43uH,10%,5x14mm	
⚠...3 L822	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
⚠...3 L823	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
⚠...3 Q401	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
⚠...3 Q402	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
⚠...3 Q411	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
⚠...3 Q802	0501-000369	TR-SMALL SIGNAL;KSC2331-Y,NPN,1000mW,TO-	
⚠...3 Q803	0501-000369	TR-SMALL SIGNAL;KSC2331-Y,NPN,1000mW,TO-	
⚠...3 Q804	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3 R301	2001-001093	R-CARBON(S);2.2KOHM,5%,1/2W,AA,TP,2.4X6.	
...3 R302	2001-001093	R-CARBON(S);2.2KOHM,5%,1/2W,AA,TP,2.4X6.	
...3 R303	2003-000462	R-METAL OXIDE(S);10Kohm,5%,2W,AA,TP,4x12	
...3 R304	2003-000462	R-METAL OXIDE(S);10Kohm,5%,2W,AA,TP,4x12	
...3 R305	2008-001015	R-FUSIBLE(S);1.5ohm,5%,2W,AF,TP,3.9x10mm	
...3 R306	2001-001163	R-CARBON(S);560OHM,5%,1/2W,AA,TP,2.4X6.4	
...3 R307	2001-001144	R-CARBON(S);4.7KOHM,5%,1/2W,AA,TP,2.4X6.	
...3 R309	2001-000016	R-CARBON(S);1OHM,5%,1/2W,AA,TP,2.4X6.4MM	
...3 R310	2003-001024	R-METAL OXIDE(S);150ohm,5%,2W,AF,TP,3.9x	
...3 R311	2003-001024	R-METAL OXIDE(S);150ohm,5%,2W,AF,TP,3.9x	
...3 R312	2004-004366	R-METAL(S);1.3Kohm,1%,1/2W,AA,TP,2.5x6.5	
...3 R313	2008-001013	R-FUSIBLE(S);1.2ohm,5%,2W,AF,TP,3.9x10mm	
...3 R314	2004-001369	R-METAL(S);1.2Kohm,1%,1/2W,AA,TP,2.4x6.4	
...3 R315	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R316	2001-000356	R-CARBON;150KOHM,5%,1/8W,AA,TP,1.8X3.2M	
⚠...3 R401	2008-001002	R-FUSIBLE(S);0.18ohm,10%,2W,AA,TP,3.9x10	
⚠...3 R402	2001-001168	R-CARBON(S);6.8KOHM,5%,1/2W,AA,TP,2.4X6.	
⚠...3 R404	2001-001045	R-CARBON(S);1.2KOHM,5%,1/2W,AA,TP,2.4X6.	
⚠...3 R409	2003-000532	R-METAL OXIDE(S);18ohm,5%,2W,AF,TP,4x12m	
⚠...3 R410	2003-002205	R-METAL OXIDE(S);330ohm,5%,2W,AG,TP,3.9X	
⚠...3 R411	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
⚠...3 R412	2001-001155	R-CARBON(S);5.6KOHM,5%,1/2W,AA,TP,2.4X6.	
⚠...3 R412S	2008-000251	R-FUSIBLE(S);0.27ohm,5%,2W,AF,TP,3.9x10m	
⚠...3 R414	2003-001038	R-METAL OXIDE(S);4.7ohm,5%,2W,AF,TP,3.9x	
⚠...3 R418	2001-000347	R-CARBON;13KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
⚠...3 R419S	2008-001135	R-FUSIBLE(S);3.9ohm,5%,1W,AF,TP,3.9x10mm	
⚠...3 R420	2001-001155	R-CARBON(S);5.6KOHM,5%,1/2W,AA,TP,2.4X6.	
⚠...3 R422	2001-001108	R-CARBON(S);22KOHM,5%,1/2W,AA,TP,2.4X6.4	
⚠...3 R423S	2008-001113	R-FUSIBLE(S);0.22ohm,10%,2W,AG,TP,3.9x12	
⚠...3 R424S	2008-000251	R-FUSIBLE(S);0.27ohm,5%,2W,AF,TP,3.9x10m	
⚠...3 R425S	2008-001076	R-FUSIBLE(S);1.8ohm,5%,2W,AF,TP,3.9x10mm	
⚠...3 R430	2004-002011	R-METAL(S);110Kohm,1%,1/2W,AA,TP,2.4x6.4	
⚠...3 R431	2004-001395	R-METAL(S);330Kohm,2%,1/2W,AA,TP,2.4x6.4	
⚠...3 R432	2004-004046	R-METAL(S);430Kohm,1%,1/2W,AA,TP,2.5x6.5	
⚠...3 R433	2004-001892	R-METAL(S);162Kohm,1%,1/2W,AA,TP,2.5x6.5	
⚠...3 R434	2004-004001	R-METAL(S);180Kohm,1%,1/2W,AA,TP,2.5x6.5	
⚠...3 R437	2004-004046	R-METAL(S);430Kohm,1%,1/2W,AA,TP,2.5x6.5	
⚠...3 R438	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
⚠...3 R440	2004-001893	R-METAL(S);22Kohm,1%,1/2W,AA,TP,2.5x6.5m	
⚠...3 R441	2004-001892	R-METAL(S);162Kohm,1%,1/2W,AA,TP,2.5x6.5	
⚠...3 R442	2001-001122	R-CARBON(S);3.9KOHM,5%,1/2W,AA,TP,2.4X6.	
⚠...3 R443	2004-001376	R-METAL(S);11Kohm,1%,1/2W,AA,TP,2.4x6.4m	
⚠...3 R444	2004-001369	R-METAL(S);1.2Kohm,1%,1/2W,AA,TP,2.4x6.4	
⚠...3 R445	2004-001397	R-METAL(S);4.7Kohm,1%,1/2W,AA,TP,2.4x6.4	
⚠...3 R449	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	
⚠...3 R450	2008-001062	R-FUSIBLE;39ohm,5%,2W,AF,TP,3.9x10mm	
⚠...3 R451	2001-001150	R-CARBON(S);470KOHM,5%,1/2W,AA,TP,2.4X6.	
⚠...3 R452	2003-000995	R-METAL OXIDE(S);3.3Kohm,5%,2W,AF,TP,3.9	
⚠...3 R453	2004-001987	R-METAL(S);4.3Kohm,1%,1/2W,AA,TP,2.4x6.4	
⚠...3 R455	2008-001003	R-FUSIBLE(S);5.6ohm,5%,1W,AF,TP,3.9x10mm	
⚠...3 R457	2001-001159	R-CARBON(S);510OHM,5%,1/2W,AA,TP,2.4X6.4	
⚠...3 R460	2004-001394	R-METAL(S);2Kohm,1%,1/2W,AA,TP,2.4x6.4mm	
⚠...3 R464	2008-000189	R-FUSIBLE;0.47ohm,10%,2W,AA,TP,6x15.5mm	
⚠...3 R465	2004-001893	R-METAL(S);22Kohm,1%,1/2W,AA,TP,2.5x6.5m	
⚠...3 R468	2004-001893	R-METAL(S);22Kohm,1%,1/2W,AA,TP,2.5x6.5m	
⚠...3 R469	2004-001390	R-METAL(S);1Kohm,2%,1/2W,AA,TP,2.4x6.4mm	
⚠...3 R470	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
⚠...3 R471	2004-000698	R-METAL;3.3Kohm,1%,1/4W,AA,TP,2.4x6.4m	
⚠...3 R472	2008-000252	R-FUSIBLE(S);0.47ohm,10%,1/2W,AF,TP,2.5x	
⚠...3 R473	2004-001402	R-METAL(S);6.8Kohm,1%,1/2W,AA,TP,2.4x6.4	
⚠...3 R474	2004-002019	R-METAL(S);33Kohm,1%,1/2W,AA,TP,2.5x6.5m	
⚠...3 R476	2004-005001	R-METAL(S);820ohm,1%,1/2W,AA,TP,2.5x6.5m	
⚠...3 R477	2009-001109	R-TEMPERATURE;240ohm,5%,1/4W,AA,TP,2.3x6	
⚠...3 R478	2004-000698	R-METAL;3.3Kohm,1%,1/4W,AA,TP,2.4x6.4m	

Loc. No.	Code No.	Description ; Specification	Remark
⚠ ...3 R479	2004-005001	R-METAL(S);820ohm,1%,1/2W,AA,TP,2.5x6.5m	
⚠ ...3 R486	2003-002014	R-METAL OXIDE(S);0.6OHM,5%,2W,AF,TP,3.9X	
⚠ ...3 R802	2001-001055	R-CARBON(S);1.8KOHM,5%,1/2W,AA,TP,2.4X6.	
⚠ ...3 R804	2001-001159	R-CARBON(S);510OHM,5%,1/2W,AA,TP,2.4X6.4	
⚠ ...3 R809S	2008-001011	R-FUSIBLE(S);0.18ohm,10%,2W,AF,TP,3.9x10	
⚠ ...3 R810	2001-001178	R-CARBON(S);680OHM,5%,1/2W,AA,TP,2.4X6.4	
⚠ ...3 R811	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
⚠ ...3 R813	2001-001097	R-CARBON(S);2.4KOHM,5%,1/2W,AA,TP,2.4X6.	
⚠ ...3 R814	2008-000266	R-FUSIBLE(S);1ohm,5%,2W,AF,TP,3.9x10mm	
⚠ ...3 R815	2003-002206	R-METAL OXIDE(S);27Kohm,5%,3W,AG,TP,6x16	
⚠ ...3 R816	2003-002206	R-METAL OXIDE(S);27Kohm,5%,3W,AG,TP,6x16	
⚠ ...3 R817	2001-001144	R-CARBON(S);4.7KOHM,5%,1/2W,AA,TP,2.4X6.	
⚠ ...3 R818	2004-001369	R-METAL(S);1.2Kohm,1%,1/2W,AA,TP,2.4x6.4	
⚠ ...3 R819	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
⚠ ...3 R820	2001-000002	R-CARBON(S);200KOHM,5%,1/2W,AA,TP,6.4X2.	
⚠ ...3 R821	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
⚠ ...3 R823	2001-001112	R-CARBON(S);24KOHM,5%,1/2W,AA,TP,2.4X6.4	
⚠ ...3 R824	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	
⚠ ...3 R825	2001-001106	R-CARBON(S);220KOHM,5%,1/2W,AA,TP,2.4X6.	
⚠ ...3 R826	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
⚠ ...3 R827	2001-001097	R-CARBON(S);2.4KOHM,5%,1/2W,AA,TP,2.4X6.	
⚠ ...3 R828	2004-004029	R-METAL(S);10Kohm,1%,1/2W,AA,TP,2.5x6.5m	
⚠ ...3 R830	2001-000019	R-CARBON(S);10OHM,5%,1/2W,AA,TP,2.4X6.4M	
⚠ ...3 R831	2001-001087	R-CARBON(S);18OHM,5%,1/2W,AA,TP,2.4X6.4M	
⚠ ...3 R832	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
⚠ ...3 R833	2001-001070	R-CARBON(S);120OHM,5%,1/2W,AA,TP,2.4X6.4	
⚠ ...3 R834	2003-001025	R-METAL OXIDE(S);15Kohm,5%,2W,AF,TP,3.9x	
⚠ ...3 R835	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
⚠ ...3 R836	2008-001014	R-FUSIBLE(S);22ohm,5%,1W,AF,TP,3.2x10mm	
⚠ ...3 R840	2001-000002	R-CARBON(S);200KOHM,5%,1/2W,AA,TP,6.4X2.	
⚠ ...3 R860	2003-002151	R-METAL OXIDE;18KOHM,5%,2W,AG,TP,6X16MM	
⚠ ...3 R861	2003-002151	R-METAL OXIDE;18KOHM,5%,2W,AG,TP,6X16MM	
⚠ ...3 RR400S	2103-001086	VR-SEMI;100KOHM,25%,0.3W,TOP	
⚠ ...3 RR401S	2103-001024	VR-SEMI;50Kohm,25%,0.3W,TOP	
⚠ ...3 RY801S	2002-001012	R-COMPOSITION;8.2Mohm,5%,1/2W,AA,TP,3.7x	
..2	0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	S.N.A
..2	AA41-00273B	PCB-POWER;WT-32Z5HR,CEM-1,1L,B,1.6T,330x	

ASSY-PCB,NTSC FBOX

1	*AA95-00689A	ASSY-PCB,NTSC FBOX;-,WT-32Z5HI,K54A,NTSC	
..2 CN01	3711-003543	CONNECTOR-HEADER;NOWALL,16P,1R,2.54MM,AN	
..2 CN02	3711-003543	CONNECTOR-HEADER;NOWALL,16P,1R,2.54MM,AN	
..2 CN03	3711-001283	CONNECTOR-HEADER;NOWALL,14P,1R,2.5mm,ANG	
..2 CN04	3711-001283	CONNECTOR-HEADER;NOWALL,14P,1R,2.5mm,ANG	
..2 CX01	2801-004019	CRYSTAL-UNIT;20.25MHz,30ppm,28-AAM,13pF,	
..2 DX01	2801-003811	CRYSTAL-UNIT;24.576MHZ,20PPM,28-AAM,30PF	
..2 PX01	2801-004019	CRYSTAL-UNIT;20.25MHz,30ppm,28-AAM,13pF,	
..2	AA99-20076A	ASSY-PCB SUB,AUTO; AA95-00689A ,V	S.N.A
...3 CC01	2203-000575	C-CERAMIC,CHIP;220NF,10%,25V,X7R,TP,2012	
...3 CC02	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012	
...3 CC03	2203-000575	C-CERAMIC,CHIP;220NF,10%,25V,X7R,TP,2012	
...3 CC04	2203-000575	C-CERAMIC,CHIP;220NF,10%,25V,X7R,TP,2012	
...3 CC05	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3 CC06	2203-000839	C-CERAMIC,CHIP;0.39nF,5%,50V,NP0,TP,2012	
...3 CC07	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 CC08	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012	
...3 CC09	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3 CC10	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 CC11	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 CC12	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 CC13	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 CC14	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 CC15	2203-001172	C-CERAMIC,CHIP;0.006nF,0.25pF,50V,NP0,TP	
...3 CC16	2203-001172	C-CERAMIC,CHIP;0.006nF,0.25pF,50V,NP0,TP	
...3 CC17	2401-002042	C-AL;220uF,20%,10V,GP,TP,6.3x11,5	
...3 CC18	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012	
...3 CC19	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 CC20	2203-000575	C-CERAMIC,CHIP;220NF,10%,25V,X7R,TP,2012	
...3 CC21	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3 CC22	2203-000839	C-CERAMIC,CHIP;0.39nF,5%,50V,NP0,TP,2012	
...3 CC23	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
...3 CC24	2203-000761	C-CERAMIC,CHIP;330nF,10%,16V,X7R,TP,2012	
...3 CC25	2203-000761	C-CERAMIC,CHIP;330nF,10%,16V,X7R,TP,2012	
...3 CC26	2203-000761	C-CERAMIC,CHIP;330nF,10%,16V,X7R,TP,2012	
...3 CC27	2203-000761	C-CERAMIC,CHIP;330nF,10%,16V,X7R,TP,2012	
...3 CC28	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 CC29	2203-000575	C-CERAMIC,CHIP;220NF,10%,25V,X7R,TP,2012	
...3 CC30	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3 CC31	2203-000839	C-CERAMIC,CHIP;0.39nF,5%,50V,NP0,TP,2012	
...3 CC32	2401-002042	C-AL;220uF,20%,10V,GP,TP,6.3x11,5	
...3 CC33	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012	
...3 CC35	2203-000761	C-CERAMIC,CHIP;330nF,10%,16V,X7R,TP,2012	
...3 CC36	2203-000761	C-CERAMIC,CHIP;330nF,10%,16V,X7R,TP,2012	
...3 CC37	2203-000683	C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,201	
...3 CC38	2203-000683	C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,201	
...3 CC39	2203-000683	C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,201	
...3 CC40	2203-000683	C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,201	
...3 CC41	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
...3 CC42	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 CC43	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 CC44	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 CC45	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
...3 CC47	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 CC48	2203-005384	C-CERAMIC,CHIP;4700nF,+80-20%,10V,Y5V,TP	
...3 CC49	2203-005384	C-CERAMIC,CHIP;4700nF,+80-20%,10V,Y5V,TP	
...3 CC50	2203-005384	C-CERAMIC,CHIP;4700nF,+80-20%,10V,Y5V,TP	
...3 CD01	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,SOD-8	
...3 CD02	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,SOD-8	
...3 CF01	2901-001120	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
...3 CL05	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
...3 CL06	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3 CL07	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
...3 CQ01	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
...3 CQ02	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
...3 CQ03	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
...3 CQ04	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
...3 CQ05	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
...3 CR01	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
...3 CR02	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
...3 CR03	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
...3 CR04	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
...3 CR05	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
...3 CR06	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
...3 CR07	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
...3 CR08	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
...3 CR09	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 CR10	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 CR12	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
...3 CR13	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
...3 CR14	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
...3 CR19	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 CR20	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 CR22	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 CR26	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 CR27	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 CR28	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
...3 CR29	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
...3 CR30	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
...3 CR31	2007-000642	R-CHIP;270OHM,5%,1/10W,DA,TP,2012	
...3 CR32	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 CR33	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 CR35	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
...3 CR37	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 CR38	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 CR41	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 CR45	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 CR46	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
...3 CR47	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
...3 CR48	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
...3 CR49	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
...3 CR50	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
...3 CR51	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
...3 CR52	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
...3 CR53	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
...3 CR54	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
...3 CR55	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
...3 DC01	2401-003102	C-AL;100uF,20%,10V,GP,TP,5x11,5	
...3 DC02	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 DC03	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 DC04	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A

Loc. No.	Code No.	Description ; Specification	Remark
...3 DC05	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 DC06	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3 DC07	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
...3 DC08	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 DC09	2203-000555	C-CERAMIC,CHIP;0.02nF,5%,50V,NP0,TP,2012	
...3 DC10	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 DC11	2203-000555	C-CERAMIC,CHIP;0.02nF,5%,50V,NP0,TP,2012	
...3 DC12	2203-000555	C-CERAMIC,CHIP;0.02nF,5%,50V,NP0,TP,2012	
...3 DC13	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 DC14	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 DC15	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 DC16	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 DC17	2401-003102	C-AL;100uF,20%,10V,GP,TP,5x11,5	
...3 DC18	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 DC19	2401-003102	C-AL;100uF,20%,10V,GP,TP,5x11,5	
...3 DC20	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 DC21	2203-001088	C-CERAMIC,CHIP;0.005nF,0.25pF,50V,NP0,TP	
...3 DC22	2203-001088	C-CERAMIC,CHIP;0.005nF,0.25pF,50V,NP0,TP	
...3 DC23	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 DC24	2203-000938	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,2012	
...3 DC25	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
...3 DC26	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
...3 DC27	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
...3 DC28	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 DC29	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
...3 DC30	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
...3 DC31	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
...3 DC32	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 DC33	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 DC34	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
...3 DC35	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 DC36	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
...3 DC37	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3 DC38	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
...3 DC39	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
...3 DC40	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 DC41	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
...3 DC42	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
...3 DC43	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
...3 DD01	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,SOD-8	
...3 DD02	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,SOD-8	
...3 DD03	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m	
...3 DD06	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m	
...3 DD07	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,SOD-8	
...3 DL01	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
...3 DL02	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
...3 DL03	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
...3 DL04	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
...3 DL05	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
...3 DL06	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
...3 DL07	2702-001092	INDUCTOR-RADIAL;2.2uH,10%,6x4mm	
...3 DQ01	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
...3 DR01	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 DR02	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 DR03	2007-001055	R-CHIP;6.2KOHM,5%,1/10W,DA,TP,2012	
...3 DR04	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
...3 DR05	2007-000023	R-CHIP;120OHM,5%,1/10W,DA,TP,2012	
...3 DR06	2007-000023	R-CHIP;120OHM,5%,1/10W,DA,TP,2012	
...3 DR07	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
...3 DR08	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 DR09	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 DR10	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
...3 DR11	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 DR12	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 DR13	2007-000380	R-CHIP;13KOHM,5%,1/10W,DA,TP,2012	
...3 DR14	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
...3 DR15	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
...3 DR16	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 DR17	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 DR18	2007-001208	R-CHIP;82KOHM,5%,1/10W,DA,TP,2012	
...3 DR19	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
...3 DR20	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
...3 DR22	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
...3 DR23	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
...3 DR24	2007-000001	R-CHIP;68KOHM,5%,1/10W,DA,TP,2012	
...3 DR26	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
...3 DR27	2007-001224	R-CHIP;9.1KOHM,5%,1/10W,DA,TP,2012	
...3 DR28	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
...3 DR29	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
...3 DR30	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
...3 DR31	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
...3 DR32	2007-000822	R-CHIP;390OHM,5%,1/10W,DA,TP,2012	
...3 DR33	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
...3 DR34	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 DR35	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
...3 DR36	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
...3 DR37	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
...3 DR38	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
...3 DR40	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 DR41	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 DR42	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 DR43	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 DR44	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
...3 DR46	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
...3 DR48	2007-000297	R-CHIP;10KOHM,1%,1/10W,DA,TP,2012	
⚠...3 IC01	1204-001598	IC-VIDEO PROCESS;VPC3230D-B2,QFP,80P,-,P	
⚠...3 IC02	AA13-00095A	IC ASIC;-,SDP01,QFP,128P,PROSCAN	
⚠...3 IC03	1105-001273	IC-DRAM;416S1120,512Kx16x2Bit,TSOP,50P	
⚠...3 IC04	1105-001273	IC-DRAM;416S1120,512Kx16x2Bit,TSOP,50P	
⚠...3 IC05	1002-001045	IC-D/A CONVERTER;9280,8BIT,PLCC,68P,-,-,	
⚠...3 IC06	1204-001372	IC-HOR./VER.PROCESSO;SDA9361,QFP,44P,-,P	
⚠...3 IC07	1204-001550	IC-VIDEO PROCESS;CXA2101AQ,QFP,80P,-,PLA	
⚠...3 IC11	1203-001419	IC-VOLTAGE REGULATOR;4931,TO-252,3P,6.6x	
⚠...3 IC12	1203-001140	IC-VOL. DETECTOR;7039,TO-92P,3P,-,PLASTI	
⚠...3 IC13	1203-001359	IC-POSI.FIXED REG.;1086,TO-263,3P,15.8MM	
⚠...3 IC14	1202-000001	IC-VOLTAGE COMP.;7533,TO-92,3P,-,SINGLE,	
...3 PC01	2203-000575	C-CERAMIC,CHIP;220NF,10%,25V,X7R,TP,2012	
...3 PC02	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3 PC03	2203-000839	C-CERAMIC,CHIP;0.39nF,5%,50V,NP0,TP,2012	
...3 PC04	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 PC05	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012	
...3 PC06	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3 PC07	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 PC08	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 PC09	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 PC10	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 PC11	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 PC12	2203-001646	C-CERAMIC,CHIP;3pF,0.5pF,50V,NPO,TP,2012	
...3 PC13	2203-001646	C-CERAMIC,CHIP;3pF,0.5pF,50V,NPO,TP,2012	
...3 PC14	2401-002042	C-AL;220uF,20%,10V,GP,TP,6.3x11,5	
...3 PC15	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012	
...3 PC16	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 PC17	2203-000575	C-CERAMIC,CHIP;220NF,10%,25V,X7R,TP,2012	
...3 PC18	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3 PC19	2203-000839	C-CERAMIC,CHIP;0.39nF,5%,50V,NP0,TP,2012	
...3 PC20	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
...3 PC21	2203-000761	C-CERAMIC,CHIP;330nF,10%,16V,X7R,TP,2012	
...3 PC22	2203-000761	C-CERAMIC,CHIP;330nF,10%,16V,X7R,TP,2012	
...3 PC23	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 PC24	2203-000575	C-CERAMIC,CHIP;220NF,10%,25V,X7R,TP,2012	
...3 PC25	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3 PC26	2203-000839	C-CERAMIC,CHIP;0.39nF,5%,50V,NP0,TP,2012	
...3 PC27	2401-002042	C-AL;220uF,20%,10V,GP,TP,6.3x11,5	
...3 PC28	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012	
...3 PC29	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 PC30	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 PC31	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 PC32	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 PC33	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 PC34	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 PC35	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 PC36	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 PC37	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 PC38	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 PC39	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 PC40	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 PC41	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 PC42	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 PC43	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 PC44	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 PC45	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 PC46	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 PC52	2203-000575	C-CERAMIC,CHIP;220NF,10%,25V,X7R,TP,2012	
...3 PC53	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012	

Loc. No.	Code No.	Description ; Specification	Remark
...3 PC54	2203-000575	C-CERAMIC,CHIP;220NF,10%,25V,X7R,TP,2012	
...3 PC55	2203-000761	C-CERAMIC,CHIP;330nF,10%,16V,X7R,TP,2012	
...3 PC56	2203-000761	C-CERAMIC,CHIP;330nF,10%,16V,X7R,TP,2012	
...3 PC57	2203-000761	C-CERAMIC,CHIP;330nF,10%,16V,X7R,TP,2012	
...3 PC58	2203-000761	C-CERAMIC,CHIP;330nF,10%,16V,X7R,TP,2012	
...3 PC78	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 PIC01	1204-001598	IC-VIDEO PROCESS;VPC3230D-B2,QFP,80P,-,P	
...3 PIC02	1109-001144	IC-FIFO;81V04160,2x256Kx8Bit,TQFP,100P	
...3 PIC04	1203-001419	IC-VOLTAGE REGULATOR;4931,TO-252,3P,6.6x	
...3 PIC05	1203-001419	IC-VOLTAGE REGULATOR;4931,TO-252,3P,6.6x	
...3 PL01	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
...3 PL02	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3 PL03	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3 PR01	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
...3 PR02	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
...3 PR03	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 PR04	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 PR06	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
...3 PR07	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
...3 PR08	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
...3 PR09	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 PR10	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 PR15	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 PR16	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 PR17	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 PR18	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 PR19	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 PR20	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 SC01	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 SC02	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 SC03	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 SC04	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 SC05	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 SC06	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 SC07	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 SC08	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 SC09	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 SC10	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 SC11	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 SC12	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 SC13	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 SC16	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 SC17	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 SC18	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 SC19	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 SC20	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 SC21	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 SC22	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 SC23	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 SC24	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 SC25	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 SC26	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 SC27	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 SC28	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 SC29	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 SC30	2401-003102	C-AL;100uF,20%,10V,GP,TP,5x11,5	
...3 SC31	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 SC32	2401-003102	C-AL;100uF,20%,10V,GP,TP,5x11,5	
...3 SC33	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 SC34	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 SC35	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
...3 SC37	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 SC38	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 SC39	2401-003102	C-AL;100uF,20%,10V,GP,TP,5x11,5	
...3 SC40	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
...3 SL01	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
...3 SL02	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3 SL03	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
...3 SL04	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
...3 SL06	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3 SR01	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
...3 SR02	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
...3 SR03	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR04	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR05	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR06	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR07	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR08	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR09	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR10	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
...3 SR11	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
...3 SR12	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
...3 SR13	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR14	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR15	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR16	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR17	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
...3 SR50	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 SR51	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 SR52	2007-000938	R-CHIP;47KOHM,1%,1/10W,DA,TP,2012	
...3 SR53	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR54	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR55	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR56	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR58	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 SR60	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
...3 SR61	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
...3 SR62	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
...3 SR63	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
...3 SR64	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 YC01	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC02	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC03	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC04	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC05	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC08	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC09	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC10	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC11	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC12	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC13	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC14	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC15	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC16	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC17	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC18	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC19	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC20	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC23	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 YC24	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 YC25	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
...3 YC28	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 YC29	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 YC30	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 YC31	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 YC32	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 YC33	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 YC34	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC35	2401-000493	C-AL;10uF,20%,50V,LZ,TP,5x11mm,5mm	
...3 YC36	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
...3 YC37	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
...3 YC38	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
...3 YC39	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
...3 YC40	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
...3 YC41	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
...3 YC42	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
...3 YC45	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC46	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
...3 YC47	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
...3 YC48	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
...3 YC49	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
...3 YC50	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC52	2203-001088	C-CERAMIC,CHIP;0.005nF,0.25pF,50V,NP0,TP	
...3 YC53	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 YC54	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 YC55	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 YC56	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 YC57	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 YC58	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 YC59	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 YC60	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 YC62	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
...3 YD01	0403-000620	DIODE-ZENER;RLZ5.6B,5.6,500mW,LL-34,TP	
...3 YD02	0403-000620	DIODE-ZENER;RLZ5.6B,5.6,500mW,LL-34,TP	

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...3 YD03	0403-001117	DIODE-ZENER;RLZ12B,5%,500mW,LL-34,TP	
...3 YD04	0403-001117	DIODE-ZENER;RLZ12B,5%,500mW,LL-34,TP	
...3 YD05	0403-001117	DIODE-ZENER;RLZ12B,5%,500mW,LL-34,TP	
...3 YF11	2901-000226	FILTER-EMI SMD;25V,0.3A,-,100pF,3.2x1.25	
...3 YF12	2901-000226	FILTER-EMI SMD;25V,0.3A,-,100pF,3.2x1.25	
...3 YF13	2901-000226	FILTER-EMI SMD;25V,0.3A,-,100pF,3.2x1.25	
...3 YF14	2901-000226	FILTER-EMI SMD;25V,0.3A,-,100pF,3.2x1.25	
...3 YF15	2901-000226	FILTER-EMI SMD;25V,0.3A,-,100pF,3.2x1.25	
...3 YL01	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
...3 YQ01	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
...3 YQ02	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
...3 YQ03	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
...3 YQ06	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
...3 YQ08	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
...3 YQ11	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
...3 YQ12	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
...3 YR03	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
...3 YR05	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR06	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR07	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR08	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR09	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR10	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR11	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR12	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR14	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
...3 YR15	2007-000938	R-CHIP;47KOHM,1%,1/10W,DA,TP,2012	
...3 YR18	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR23	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
...3 YR24	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
...3 YR25	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR26	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR27	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR28	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR29	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
...3 YR30	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR31	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
...3 YR32	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR33	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
...3 YR40	2007-000689	R-CHIP;3.3MOHM,5%,1/10W,DA,TP,2012	
...3 YR41	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR42	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 YR43	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 YR44	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 YR45	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 YR46	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR47	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR48	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR49	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 YR50	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
...3 YR51	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
...3 YR52	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 YR53	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR56	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
...3 YR58	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 YR59	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
...3 YR60	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR61	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
...3 YR62	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
...3 YR63	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR64	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR65	2007-000582	R-CHIP;22KOHM,1%,1/10W,DA,TP,2012	
...3 YR83	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR84	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR88	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
...3 YR89	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
...3 YR90	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR91	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR92	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR93	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 YR98	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
...3	AA41-00161B	PCB-SCAN BLOCK;CT-29A7DR,FR-4,4L,B,1.6T,	S.N.A
..2	AA63-00100A	SHIELD-CASE;-,SPTE,0.5,SCAN-MODULE,FCC	
..2	0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	S.N.A

Loc. No.	Code No.	Description ; Specification	Remark

ASSY-HV,MODULE

1	*AA95-00675A	ASSY-HV,MODULE;-,WT-32Z5HI,K54A,NTSC,-,-	
..2 HVCN01	3711-002707	CONNECTOR-HEADER;NOWALL,9P,1R,2.5mm,ANGL	
..2 HVCN02	3711-002705	CONNECTOR-HEADER;NOWALL,7P,1R,2.5mm,ANGL	
..2 HVCN03	3711-000447	CONNECTOR-HEADER;3WALL,3P,1R,2.5mm,ANGLE	
..2 HVIC01	1203-000165	IC-POSI.ADJUST REG.;78R12,TO-220,3P,-,-,	
..2 HVIC02	1203-000610	IC-PWM CONTROLLER;494,DIP,16P,300MIL,PLA	
..2 HVQ10	0505-000156	FET-SILICON;IRF620,N,200V,5A,0.8ohm,50W,	
..2 HVT01	AA26-50001V	TRANS-HORIZ.DRIVE;-,6.0mH,113uH,4uH,EI19	
..2 HVWS01	AA61-10068A	BRACKET-PCB;-,M2160,SPTE,T0.3,-,-,-	S.N.A
..2 HVWS02	AA61-10068A	BRACKET-PCB;-,M2160,SPTE,T0.3,-,-,-	S.N.A
..2	2401-000620	C-AL;2.2uF,10%,50V,GP,TP,5x11,5	
..2	0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	S.N.A
..2	AA41-00274A	PCB-HV MODULE;WT-32Z501,FR-1,1L,A,1.6T,2	S.N.A
..2	AA99-20083V	ASSY-PCB SUB,AUTO; AA95-00675A ,V	S.N.A
...3 HVC01	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3 HVC02	2201-000146	C-CERAMIC,DISC;0.1nF,5%,50V,SL,TP,5x3.5,	
...3 HVC03	2201-000146	C-CERAMIC,DISC;0.1nF,5%,50V,SL,TP,5x3.5,	
...3 HVC04	2301-000445	C-FILM,PEF;4.7nF,5%,50V,TP,5.5x7x3mm,5mm	
...3 HVC05	2301-000261	C-FILM,PEF;4.7nF,5%,100V,TP,10.5x12.5x6.	
...3 HVC06	2305-000178	C-FILM,MPEF;10nF,5%,100V,TP,-,5mm	
...3 HVC07	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3 HVC08	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3 HVC09	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3 HVC10	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
...3 HVC11	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
...3 HVC12	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
...3 HVC13	2401-000914	C-AL;22uF,20%,16V,GP,TP,5x11,5	
...3 HVC14	2401-001026	C-AL;3.3UF,20%,50V,GP,TP,5X11,5	
...3 HVC15	2401-001026	C-AL;3.3UF,20%,50V,GP,TP,5X11,5	
...3 HVC16	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
...3 HVC17	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 HVD01	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
...3 HVD02	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
...3 HVD03	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
...3 HVD04	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
...3 HVD05	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
...3 HVD06	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
...3 HVD08	0403-001325	DIODE-ZENER;MTZJ15C,14.35-15.09V,500mW,D	
...3 HVDZ01	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
...3 HVDZ02	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
...3 HVDZ03	0403-001316	DIODE-ZENER;MTZJ3.0A,2.85-3.07V,500mW,DO	
...3 HVDZ04	0403-001325	DIODE-ZENER;MTZJ15C,14.35-15.09V,500mW,D	
...3 HVDZ05	0403-001325	DIODE-ZENER;MTZJ15C,14.35-15.09V,500mW,D	
...3 HVIC03	1203-001217	IC-POSI.ADJUST REG.;431,TO-92,3P,4.58MIL	
...3 HVQ01	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
...3 HVQ02	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
...3 HVQ03	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3 HVQ04	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3 HVQ05	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3 HVQ06	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3 HVQ07	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3 HVQ08	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3 HVQ09	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3 HVR01	2001-000005	R-CARBON;390ohm,5%,1/8W,AA,TP,1.8x3.2mm	
...3 HVR02	2001-000009	R-CARBON;20KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 HVR03	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
...3 HVR04	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	
...3 HVR05	2001-001044	R-CARBON(S);1.1KOHM,5%,1/2W,AA,TP,2.4X6.	
...3 HVR06	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 HVR07	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 HVR08	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 HVR09	2001-000411	R-CARBON;18KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 HVR10	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 HVR11	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 HVR12	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 HVR13	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 HVR14	2001-000508	R-CARBON;220KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 HVR15	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 HVR16	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 HVR17	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 HVR18	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 HVR19	2001-000800	R-CARBON;5.1KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 HVR20	2001-000800	R-CARBON;5.1KOHM,5%,1/8W,AA,TP,1.8X3.2M	

Loc. No.	Code No.	Description ; Specification	Remark
...3 HVR21	2001-000812	R-CARBON;5.6KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 HVR22	2001-000924	R-CARBON;680OHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 HVR23	2001-001031	R-CARBON;91KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 HVR24	2001-001047	R-CARBON(S);1.2MOHM,5%,1/2W,AA,TP,2.4X6.	
...3 HVR25	2001-001097	R-CARBON(S);2.4KOHM,5%,1/2W,AA,TP,2.4X6.	
...3 HVR26	2001-001107	R-CARBON(S);220ohm,5%,1/2W,AA,TP,2.4x6.4	
...3 HVR27	2001-001144	R-CARBON(S);4.7KOHM,5%,1/2W,AA,TP,2.4X6.	
...3 HVR28	2001-001144	R-CARBON(S);4.7KOHM,5%,1/2W,AA,TP,2.4X6.	
...3 HVR29	2001-001146	R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4	
...3 HVR30	2001-001192	R-CARBON(S);820OHM,5%,1/2W,AA,TP,2.4X6.4	
...3 HVR31	2003-000746	R-METAL OXIDE(S);56ohm,5%,2W,AF,TP,4x12m	
...3 HVR32	2003-002044	R-METAL OXIDE(S);100ohm,5%,1W,AF,TP,2.5x	
...3 HVR33	2003-002071	R-METAL OXIDE;560ohm,5%,2W,AF,TP,3.9x10m	
...3 HVR34	2003-002071	R-METAL OXIDE;560ohm,5%,2W,AF,TP,3.9x10m	
...3 HVR35	2008-000299	R-FUSIBLE(S);47ohm,5%,2W,AF,TP,3.9x10mm	
...3 HVR36	2003-001036	R-METAL OXIDE(S);3.3ohm,5%,2W,AF,TP,3.9x	

ASSY-PCB

1	*AA95-00980A	ASSY-PCB,3D COBM;-,WT-32Z5HR,K54A,NTSC,-	
..2 CD10	2401-001496	C-AL;47uF,20%,16V,GP,TP,5x7,5	
..2 CD11	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
..2 CD12	2401-002464	C-AL;47uF,20%,16V,BP,TP,8x11.5,5	
..2 CD18	2401-001914	C-AL;1uF,20%,50V,BP,TP,5x11,5	
..2 CD20	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
..2 CD21	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
..2 CD22	2203-001035	C-CERAMIC,CHIP;5.6nF,10%,50V,X7R,TP,2012	
..2 CD23	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
..2 CD24	2401-000455	C-AL;10uF,20%,35V,GP,TP,4x7mm,5mm	
..2 CD40	2301-000111	C-FILM,PEF;1.8nF,5%,50V,TP,6.5x3.0x5.5mm	
..2 CD41	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
..2 CD42	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
..2 CD43	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
..2 CD44	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
..2 CD45	2401-000455	C-AL;10uF,20%,35V,GP,TP,4x7mm,5mm	
..2 CD46	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
..2 CD47	2401-000455	C-AL;10uF,20%,35V,GP,TP,4x7mm,5mm	
..2 CD50	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
..2 CD51	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
..2 CD52	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
..2 CD53	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
..2 CD54	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
..2 CD55	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
..2 CD56	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
..2 CD57	2401-001496	C-AL;47uF,20%,16V,GP,TP,5x7,5	
..2 CD58	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
..2 CD59	2401-001496	C-AL;47uF,20%,16V,GP,TP,5x7,5	
..2 CD60	2401-001496	C-AL;47uF,20%,16V,GP,TP,5x7,5	
..2 CD62	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
..2 CD63	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
..2 CD64	2401-001496	C-AL;47uF,20%,16V,GP,TP,5x7,5	
..2 CD66	2401-001496	C-AL;47uF,20%,16V,GP,TP,5x7,5	
..2 CD67	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
..2 CD68	2401-001496	C-AL;47uF,20%,16V,GP,TP,5x7,5	
..2 CD69	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
..2 CD71	2401-001496	C-AL;47uF,20%,16V,GP,TP,5x7,5	
..2 CD72	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
..2 CD74	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
..2 CD75	2203-000634	C-CERAMIC,CHIP;0.022nF,5%,50V,NP0,TP,201	
..2 CD80	2203-000353	C-CERAMIC,CHIP;0.15nF,10%,50V,NP0,TP,201	
..2 CD81	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
..2 CD84	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
..2 CD85	2203-000839	C-CERAMIC,CHIP;0.39nF,5%,50V,NP0,TP,2012	
..2 CD86	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
..2 CD87	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
..2 CD88	2203-000634	C-CERAMIC,CHIP;0.022nF,5%,50V,NP0,TP,201	
..2 CD89	2203-000634	C-CERAMIC,CHIP;0.022nF,5%,50V,NP0,TP,201	
..2 CD90	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
..2 CD91	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
..2 CON01	3711-002707	CONNECTOR-HEADER;NOWALL,9P,1R,2.5mm,ANGL	
..2 CON02	3711-002703	CONNECTOR-HEADER;NOWALL,5P,1R,2.5mm,ANGL	
..2 DD01	0403-001016	DIODE-ZENER;RLZ6.2B,6.2V,5.96-6.27V,400m	
..2 DD02	0403-001016	DIODE-ZENER;RLZ6.2B,6.2V,5.96-6.27V,400m	
..2 DD03	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,SOD-8	

Loc. No.	Code No.	Description ; Specification	Remark
..2 FD00	2909-001051	FILTER-LC;6MHz,6MHz,0.8dB,TP,5dB/6MHz,30	
..2 FD01	2909-001051	FILTER-LC;6MHz,6MHz,0.8dB,TP,5dB/6MHz,30	
..2 FD02	2909-001052	FILTER-LC;3.58MHz,3MHz,1.5dB,TP,11dB/1.0	
..2 FD03	2909-001051	FILTER-LC;6MHz,6MHz,0.8dB,TP,5dB/6MHz,30	
⚠..2 IC01	1204-001556	IC-SEPARATOR;UPD64082GF,QFP,100P,-,PLAST	
⚠..2 IC02	1105-001334	IC-DRAM;4E151612,1Mx16Bit,TSOP,44P,400	
⚠..2 IC04	1203-001419	IC-VOLTAGE REGULATOR;4931,TO-252,3P,6.6x	
..2 JD01	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
..2 JD04	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
..2 LD03	2702-001096	INDUCTOR-RADIAL;33uH,10%,6x4mm	
..2 LD05	2702-001095	INDUCTOR-RADIAL;18uH,10%,6x4mm	
..2 LD06	2702-001095	INDUCTOR-RADIAL;18uH,10%,6x4mm	
..2 LD07	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
..2 LD09	2702-001093	INDUCTOR-RADIAL;4.7uH,10%,6x4mm	
..2 QD10	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
..2 QD11	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
..2 QD12	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
..2 QD13	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
..2 QD14	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
..2 QD15	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
..2 QD16	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
..2 QD17	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
..2 QD18	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
..2 QD19	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
..2 QD20	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
..2 QD21	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
..2 QD22	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
..2 QD23	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
..2 QD24	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
..2 QD25	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
..2 QD26	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
..2 QD27	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
..2 QD28	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
..2 QD40	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
..2 QD41	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
..2 RD00	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
..2 RD01	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
..2 RD02	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
..2 RD03	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
..2 RD04	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
..2 RD05	2007-001141	R-CHIP;7.5KOHM,5%,1/10W,DA,TP,2012	
..2 RD06	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
..2 RD07	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
..2 RD08	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
..2 RD09	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
..2 RD10	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
..2 RD11	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
..2 RD12	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
..2 RD13	2007-001141	R-CHIP;7.5KOHM,5%,1/10W,DA,TP,2012	
..2 RD14	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
..2 RD15	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
..2 RD16	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
..2 RD17	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
..2 RD18	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
..2 RD19	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
..2 RD20	2007-001092	R-CHIP;620OHM,5%,1/10W,DA,TP,2012	
..2 RD21	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
..2 RD22	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
..2 RD23	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
..2 RD24	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
..2 RD25	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
..2 RD26	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
..2 RD27	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
..2 RD37	2007-001092	R-CHIP;620OHM,5%,1/10W,DA,TP,2012	
..2 RD38	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
..2 RD39	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
..2 RD40	2007-000582	R-CHIP;22KOHM,1%,1/10W,DA,TP,2012	
..2 RD41	2007-000297	R-CHIP;10KOHM,1%,1/10W,DA,TP,2012	
..2 RD42	2007-000582	R-CHIP;22KOHM,1%,1/10W,DA,TP,2012	
..2 RD43	2007-000868	R-CHIP;4.7KOHM,1%,1/10W,DA,TP,2012	
..2 RD50	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
..2 RD51	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
..2 RD59	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
..2 RD62	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
..2 RD63	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
..2 RD64	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
..2 RD65	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	

Loc. No.	Code No.	Description ; Specification	Remark
..2 RD66	2007-000738	R-CHIP;30KOHM,5%,1/10W,DA,TP,2012	
..2 RD67	2007-000710	R-CHIP;3.9KOHM,5%,1/10W,DA,TP,2012	
..2 RD68	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
..2 RD69	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
..2 RD70	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
..2 RD71	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
..2 RD72	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
..2 RD73	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
..2 RD74	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
..2 RD75	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
..2 RD76	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
..2 RD77	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
..2 RD78	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
..2 RD79	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
..2 RD82	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
..2 RD83	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
..2 RD84	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
..2 RD85	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
..2 RD86	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
..2 RD87	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
..2 RD88	2007-000210	R-CHIP;1.1KOHM,5%,1/10W,DA,TP,2012	
..2 RD89	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
..2 RD90	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
..2 RD91	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
..2 RD92	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
..2 RD93	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
..2 RD94	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
..2 RD95	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
..2 RD96	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
..2 RD97	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
..2 RD98	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
..2	AA98-60005J	ASSY-SUB,PART;S51A,SOUND,NICAM,-	S.N.A
...3	0202-001004	SOLDER-CREAM;SQ-2030M SZH-1,S63A,D0.04,6	S.N.A
...3	0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	S.N.A
..2	AA41-00128D	PCB-3D COMB;CT-29A76F,FR-4,2L,D,1.6T,180	S.N.A
..2	2801-000199	CRYSTAL-UNIT;20MHz,50ppm,28-AAA,16pF,50o	
..2	AA63-40014A	SHIELD-CASE,T;-,SPTE,T0.5,SCT51A,-	S.N.A

ASSY-PCB,DOLBY

1	*AA95-00975A	ASSY-PCB,DOLBY;-,WS32W8HD,KS4A,PAL,-,-	
..2 CN601A	3711-002706	CONNECTOR-HEADER;NOWALL,8P,1R,2.5mm,ANGL	
..2 CN602A	3711-003577	CONNECTOR-HEADER;NOWALL,11P,1R,2.5mm,ANG	
..2 CN603A	AA61-10068A	BRACKET-PCB;-,M2160,SPTE,T0.3,-,-,-	S.N.A
..2	AA99-20087K	ASSY-PCB SUB,AUTO; AA95-00975A ,V	S.N.A
...3 C601	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
...3 C602	2401-000287	C-AL;100uF,20%,16V,WT,TP,6.3x11,5	
...3 C603	2203-000938	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,2012	
...3 C604	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3 C605	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
...3 C606	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 C607	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
...3 C608	2401-000287	C-AL;100uF,20%,16V,WT,TP,6.3x11,5	
...3 C609	2203-000938	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,2012	
...3 C610	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3 C611	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
...3 C612	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
...3 C613	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
...3 C614	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3 C615	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
...3 C616	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
...3 C617	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3 C618	2203-000761	C-CERAMIC,CHIP;330nF,10%,16V,X7R,TP,2012	
...3 C619	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3 C620	2203-000938	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,2012	
...3 C621	2401-000287	C-AL;100uF,20%,16V,WT,TP,6.3x11,5	
...3 C622	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
...3 C623	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
...3 C624	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
...3 C625	2401-000287	C-AL;100uF,20%,16V,WT,TP,6.3x11,5	
...3 C626	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
...3 C627	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
...3 C628	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	S.N.A
⚠ ...3 IC601	1204-001198	IC-DECODER;DPL3519A-A2,PLCC,68P,-,PLASTI	
⚠ ...3 IC602	1201-000541	IC-OP AMP;062,SOP,8P,153MIL,DUAL,6V/mV,P	
...3 L601	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3 L602	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3 L603	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3 L604	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3 R601	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
...3 R602	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 R603	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 R604	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 R605	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 R606	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 R607	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 R608	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 R609	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
...3 R610	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
...3 R611	2007-001243	R-CHIP;91KOHM,5%,1/10W,DA,TP,2012	
...3 R612	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
...3 R613	2007-001243	R-CHIP;91KOHM,5%,1/10W,DA,TP,2012	
...3 R614	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
...3 R615	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 R617	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3	AA41-00162D	PCB-DOLBY;WT-32Z5HR,FR-4,4L,D,1.6T,245x2	
..2	0202-001004	SOLDER-CREAM;SQ-2030M SZH-1,S63A,D0.04,6	S.N.A
..2	0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	S.N.A

ASSY PCB CRT

1	*AA95-00495B	ASSY PCB CRT;-,KS4A,32,-,CRT DRIVE,V/M,	
..2 C522	2201-000723	C-CERAMIC,DISC;4.7nF,20%,3KV,Y5U,TP,16x5	
..2 C526	2201-000173	C-CERAMIC,DISC;10nF,10%,500V,Y5P,BK,16x4	
..2 C530	2201-000173	C-CERAMIC,DISC;10nF,10%,500V,Y5P,BK,16x4	
..2 C531	2201-000173	C-CERAMIC,DISC;10nF,10%,500V,Y5P,BK,16x4	
..2 CNC01	3711-003974	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
..2 CNC02	3711-003052	CONNECTOR-HEADER;BOX,10P,1R,2.5mm,STRAGH	
..2 CNW01	AA39-00121B	LEAD CONNECTOR ASSY;-,-,-,12P,-,-,-,3515	
..2 CNW02	AA39-00112B	LEAD CONNECTOR-ASSY;,-,-,10P,-,-,-,35155	
⚠ ..2 IC501	AA96-50389B	ASSY H/S;-,VIDEO AMP,AA62-30185A,TDA612	
...3	AA62-30185A	HEAT SINK-PS;-,CUS-1 1/2H,T1.0,YEL,33*20	S.N.A
...3	AA61-10162A	BRACKET-IC;-,-,SBHG-1,T1.0,-,-,-	S.N.A
...3	6003-000334	SCREW-TAPTITE;RH,+,2S,M3,L6,ZPC(YEL),SWR	
...3	1201-001588	IC-VIDEO AMP;6120,ZSIP,13P,173MIL,SINGLE	
...3	0205-000129	GREASE-SILICON;SC102,JAPAN	S.N.A
⚠ ..2 IC502	AA96-50389B	ASSY H/S;-,VIDEO AMP,AA62-30185A,TDA612	
⚠ ..2 IC503	AA96-50389B	ASSY H/S;-,VIDEO AMP,AA62-30185A,TDA612	
⚠ ..2 IC504	AA96-00110D	ASSY-H/S;-,-,AA62-30013K,TDA2030,-	
...3	1201-000010	IC-OP AMP;2030,PENTAWATT,5P,-,SINGLE,-,C	
...3	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
...3	AA62-30013K	HEATSINK-ES;-,-,-,-,44/18,-,WHT,A6063 EX	
..2 QF09	AA96-00111B	ASSY-H/S;-,-,AA62-30013L,2SA1011,-	
...3	0502-000131	TR-POWER;2SA1011-D,PNP,1.2W,TO-220,-,60	
...3	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
...3	AA62-30013L	HEATSINK-ES;-,-,-,-,44/22,-,WHT,-,-,-,-	
..2 QF10	AA96-00111A	ASSY-H/S;-,-,AA62-30013L,2SC2344,-	
...3	0502-000153	TR-POWER;2SC2344-D,NPN,1.2W,TO-220,-,60	
...3	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
...3	AA62-30013L	HEATSINK-ES;-,-,-,-,44/22,-,WHT,-,-,-,-	
..2 SC01	3722-001503	JACK-PIN;1P,1PI,NI,RED,SCR-JACK	
⚠ ..2 V999S	3704-001032	SOCKET-CRT;8P,29PI,35.5PI,AU30U	
..2	0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	S.N.A
..2	AA41-00314C	PCB-CRT;WT32Z5HR,FR-1,1L,C,1.6T,330x24	
..2	AA63-10002A	BAND-TIE;-,NYLON66 V2,-,-,L100,NTR,-,-	S.N.A
..2	AA99-20084S	ASSY-PCB SUB,AUTO; AA95-00495B ,V	S.N.A
...3 C501	2301-000213	C-FILM,PEF;220nF,5%,250V,TP,21.5x11,7.5	
...3 C502	2202-000295	C-CERAMIC,MLC-AXIAL;68pF,5%,50V,SL,TP,3.	
...3 C503	2202-000295	C-CERAMIC,MLC-AXIAL;68pF,5%,50V,SL,TP,3.	
...3 C504	2202-000286	C-CERAMIC,MLC-AXIAL;56pF,5%,50V,SL,TP,1.	
...3 C505	2202-000286	C-CERAMIC,MLC-AXIAL;56pF,5%,50V,SL,TP,1.	
...3 C506	2202-000286	C-CERAMIC,MLC-AXIAL;56pF,5%,50V,SL,TP,1.	
...3 C507	2202-000295	C-CERAMIC,MLC-AXIAL;68pF,5%,50V,SL,TP,3.	
...3 C508	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5	
...3 C509	2401-001655	C-AL;680uF,20%,25V,GP,TP,10x20,5	
...3 C510	2201-000573	C-CERAMIC,DISC;0.047nF,5%,50V,NP0,TP,5x3	
...3 C511	2401-000430	C-AL;10uF,20%,250V,GP,TP,10x16mm,5m	
...3 C512	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5	

Loc. No.	Code No.	Description ; Specification	Remark
...3 C513	2401-001655	C-AL;680uF,20%,25V,GP,TP,10x20,5	
...3 C514	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3 C515	2301-000213	C-FILM,PEF;220nF,5%,250V,TP,21.5x11,7.5	
...3 C516	2201-000426	C-CERAMIC,DISC;0.027nF,5%,50V,SL,TP,5x3,	
...3 C517	2201-000426	C-CERAMIC,DISC;0.027nF,5%,50V,SL,TP,5x3,	
...3 C518	2201-000573	C-CERAMIC,DISC;0.047nF,5%,50V,NP0,TP,5x3	
...3 C519	2201-000426	C-CERAMIC,DISC;0.027nF,5%,50V,SL,TP,5x3,	
...3 C520	2401-000703	C-AL;2200uF,20%,25V,GP,-,12.5x25mm,	
...3 C521	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5	
...3 C523	2401-001655	C-AL;680uF,20%,25V,GP,TP,10x20,5	
...3 C524	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3 C525	2301-000213	C-FILM,PEF;220nF,5%,250V,TP,21.5x11,7.5	
...3 C527	2201-000573	C-CERAMIC,DISC;0.047nF,5%,50V,NP0,TP,5x3	
...3 C528	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
...3 C529	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3 C532	2401-001563	C-AL;47uF,20%,400V,GP,TP,16x25,7.5	
...3 C533	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3 C534	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
...3 C536	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3 C537	2301-000213	C-FILM,PEF;220nF,5%,250V,TP,21.5x11,7.5	
...3 CF02	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3.5,	
...3 CF03	2201-000192	C-CERAMIC,DISC;0.01nF,0.25pF,500V,NP0,TP	
...3 CF04	2201-000516	C-CERAMIC,DISC;4.7nF,+100-0%,500V,Y5U,TP	
...3 CF05	2301-000261	C-FILM,PEF;4.7nF,5%,100V,TP,10.5x12.5x6.	
...3 CF06	2201-000192	C-CERAMIC,DISC;0.01nF,0.25pF,500V,NP0,TP	
...3 CF07	2201-000604	C-CERAMIC,DISC;0.056nF,+100-0%,500V,SL,T	
...3 CF71	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
...3 CF72	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5,5	
...3 CF73	2401-002278	C-AL;22uF,20%,250V,WT,TP,13x20,5	
...3 CF74	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
...3 CF75	2401-000045	C-AL;10uF,20%,160V,GP,TP,10x16,5	
...3 D502	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
...3 D504	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
...3 D505	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
...3 D506	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
...3 D507	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
...3 D508	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
...3 D534	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
...3 D535	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
...3 DF01	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
...3 DF02	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
...3 DF05	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
...3 DF06	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
...3 DF07	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
...3 DF08	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
...3 DZ516	0403-001325	DIODE-ZENER;MTZJ15C,14.35-15.09V,500mW,D	
...3 DZ534	0403-001325	DIODE-ZENER;MTZJ15C,14.35-15.09V,500mW,D	
...3 FN1	3711-002643	CONNECTOR-HEADER;BOX,4P,1R,2.5MM,STRAIGH	
...3 FV1	3711-002642	CONNECTOR-HEADER;BOX,3P,1R,2.5MM,STRAIGH	
...3 L501	2701-000101	INDUCTOR-AXIAL;1.2uH,10%,2.5x3.4mm	
...3 L502	2701-000178	INDUCTOR-AXIAL;33uH,10%,3x7mm	
...3 L503	2701-000101	INDUCTOR-AXIAL;1.2uH,10%,2.5x3.4mm	
...3 L504	2701-000101	INDUCTOR-AXIAL;1.2uH,10%,2.5x3.4mm	
...3 L505	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
...3 L532	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3 L533	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3 LF01	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
...3 LF02	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3 LF03	2701-000112	INDUCTOR-AXIAL;100uH,10%,3x7mm	
...3 LF04	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
...3 LF06	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
...3 Q501	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3 Q502	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3 Q503	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3 Q504	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3 Q505	0502-000006	TR-POWER;KSC1507,NPN,15W,TO-220,TP,120-	
...3 Q506	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3 QF02	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3 QF03	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3 QF04	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
...3 QF05	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3 R501	2001-000568	R-CARBON;27OHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R502	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R503	2001-000568	R-CARBON;27OHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R511	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R512	2001-000837	R-CARBON;51KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R513	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R514	2001-000508	R-CARBON;220KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R515	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R516	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R517	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R518	2001-001052	R-CARBON(S);1.5MOHM,5%,1/2W,AA,TP,2.4X6.	
...3 R519	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R520	2001-001026	R-CARBON;910OHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R521	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R522	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R523	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	
...3 R525	2002-001006	R-COMPOSITION;4.7Kohm,5%,1/2W,AA,TP,3.7x	
...3 R526	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R527	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R528	2008-000252	R-FUSIBLE(S);0.47ohm,10%,1/2W,AF,TP,2.5x	
...3 R529	2001-000508	R-CARBON;220KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R530	2001-001026	R-CARBON;910OHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R531	2001-001026	R-CARBON;910OHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R532	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R533	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R534	2001-001026	R-CARBON;910OHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R535	2001-000527	R-CARBON;22OHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R536	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R537	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R538	2003-000738	R-METAL OXIDE(S);56Kohm,5%,2W,AA,TP,4x12	
...3 R539	2001-000527	R-CARBON;22OHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R540	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
...3 R541	2003-000803	R-METAL OXIDE(S);82Kohm,5%,2W,AA,TP,4x12	
...3 R542	2003-000803	R-METAL OXIDE(S);82Kohm,5%,2W,AA,TP,4x12	
...3 R543	2003-000738	R-METAL OXIDE(S);56Kohm,5%,2W,AA,TP,4x12	
...3 R544	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R545	2002-001017	R-COMPOSITION;1Kohm,10%,1/2W,AA,TP,3.7x9	
...3 R546	2001-001196	R-CARBON(S);9.1KOHM,5%,1/2W,AA,TP,2.4X6.	
...3 R547	2001-001103	R-CARBON(S);20KOHM,5%,1/2W,AA,TP,2.4X6.4	
...3 R548	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R549	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
...3 R550	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R551	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R552	2001-000508	R-CARBON;220KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R553	2004-001893	R-METAL(S);22Kohm,1%,1/2W,AA,TP,2.5x6.5m	
...3 R554	2001-000568	R-CARBON;27OHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R555	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R556	2002-001017	R-COMPOSITION;1Kohm,10%,1/2W,AA,TP,3.7x9	
...3 R557	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
...3 R558	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
...3 R559	2003-000803	R-METAL OXIDE(S);82Kohm,5%,2W,AA,TP,4x12	
...3 R560	2001-001049	R-CARBON(S);1.3KOHM,5%,1/2W,AA,TP,2.4X6.	
...3 R561	2001-001126	R-CARBON(S);300OHM,5%,1/2W,AA,TP,2.4X6.4	
...3 R562	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R563	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R564	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R565	2004-001379	R-METAL(S);12Kohm,1%,1/2W,AA,TP,2.4x6.4m	
...3 R566	2001-001040	R-CARBON(S);0.68OHM,5%,1/2W,AA,TP,2.4X6.	
...3 R567	2003-000738	R-METAL OXIDE(S);56Kohm,5%,2W,AA,TP,4x12	
...3 R568	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R569	2001-001026	R-CARBON;910OHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R570	2001-000527	R-CARBON;22OHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R572	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R574	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R575	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R576	2002-001017	R-COMPOSITION;1Kohm,10%,1/2W,AA,TP,3.7x9	
...3 R577	2001-001026	R-CARBON;910OHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R578	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R579	2004-004097	R-METAL;1.6Kohm,2%,1/2W,AA,TP,6.5x2.5m	
...3 RF17	2001-000019	R-CARBON(S);10OHM,5%,1/2W,AA,TP,2.4X6.4M	
...3 RF18	2001-001079	R-CARBON(S);15OHM,5%,1/2W,AA,TP,2.4X6.4M	
...3 RF19	2001-001079	R-CARBON(S);15OHM,5%,1/2W,AA,TP,2.4X6.4M	
...3 RF20	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 RF21	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 RF22	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 RF23	2001-000554	R-CARBON;270OHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 RF24	2003-001018	R-METAL OXIDE(S);220ohm,5%,2W,AF,TP,3.9x	
...3 RF25	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 RF26	2001-001139	R-CARBON(S);39KOHM,5%,1/2W,AA,TP,2.4X6.4	
...3 RF27	2001-001139	R-CARBON(S);39KOHM,5%,1/2W,AA,TP,2.4X6.4	
...3 RF28	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 RF29	2001-001071	R-CARBON(S);12KOHM,5%,1/2W,AA,TP,2.4X6.4	
...3 RF30	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	

Loc. No.	Code No.	Description ; Specification	Remark
...3 RF31	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 RF32	2003-000746	R-METAL OXIDE(S);56ohm,5%,2W,AF,TP,4x12m	
...3 RF33	2001-001100	R-CARBON(S);2.7OHM,5%,1/2W,AA,TP,2.4X6.4	
...3 RF34	2001-001100	R-CARBON(S);2.7OHM,5%,1/2W,AA,TP,2.4X6.4	
...3 RF35	2003-000746	R-METAL OXIDE(S);56ohm,5%,2W,AF,TP,4x12m	
...3 RF36	2003-000652	R-METAL OXIDE(S);330ohm,5%,2W,AF,TP,4x12	
...3 SG501	4715-000106	SURGE ABSORBER;300V,210-390V,-,-,AXIAL	
...3 SG503	4715-000106	SURGE ABSORBER;300V,210-390V,-,-,AXIAL	
...3 SG504	4715-000106	SURGE ABSORBER;300V,210-390V,-,-,AXIAL	

ASSY-SUB,POWER

1	*AA95-00674A	ASSY-SUB,POWER;-,WT-32Z5HI,K54A,NTSC,-,-	
..2 CN803	AA39-20176A	LEAD CONNECTOR-ASSY;-,YFH800-03,S,3(2)P,	
..2 CNH01	AA39-20005D	LEAD CONNECTOR-ASSY;-,-,-,3P,-,-,-,YBNH2	
⚠ ..2 CX811S	2306-000318	C-FILM,MPPF;220nF,20%,250V,TP,-,22.5mm	
⚠ ..2 FS811S	3601-000300	FUSE-CARTRIDGE;250V,6.3A,SLOW-BLOW,GLASS	
..2 GT812A	AA39-00184A	LEAD CONNECTOR ASSY;-,-,-,1P,-,-,-,YFH80	
..2 LH01	AA27-00118A	COIL HORIZ. WIDTH;-,800uH,K2 TH 6X20,UST	
..2 LH02	AA27-00032A	COIL-HORIZ.WIDTH;-,90/160/260UH,OS6X20,0	
⚠ ..2 LX811S	AA29-30002D	FILTER-LINE NOISE;-,10mH,2.8A,-,SQE-3535	
..2 RLH01	3501-001040	RELAY-POWER;12VDC,500mW,10A,1FormA,15mS,	
..2 TH01	AA26-00092A	TRANS-TRANS-FOCUS;3.8mH,-,14P,3.8mH,180V	
..2	AA41-00275B	PCB-SUB POWER;WT-32Z5HR,CEM-1,1L,B,1.6T,	
..2	0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	S.N.A
..2	AA99-20083U	ASSY-PCB SUB,AUTO; AA95-00674A ,V	S.N.A
...3 CH01	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
...3 DH01	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
...3 FS811A	3602-000114	FUSE-HOLDER;-,-,30mohm	
...3 FS811B	3602-000114	FUSE-HOLDER;-,-,30mohm	
...3 QH01	0501-000369	TR-SMALL SIGNAL;KSC2331-Y,NPN,1000mW,TO-	
...3 QH02	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3 RH01	2003-001030	R-METAL OXIDE(S);2.4Kohm,5%,1W,AF,TP,2.5	
...3 RH03	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 RH04	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 RH05	2003-000532	R-METAL OXIDE(S);18ohm,5%,2W,AF,TP,4x12m	
...3 RH06	2008-001113	R-FUSIBLE(S);0.22ohm,10%,2W,AG,TP,3.9x12	
⚠ ...3 RX811S	2002-001010	R-COMPOSITION;1.8Mohm,5%,1/2W,AA,TP,3.7x	
⚠ ...3 VP811S	1405-000152	VARISTOR;560V,2500A,14x8.5mm,TP	
⚠ ...3 VX811S	1405-000152	VARISTOR;560V,2500A,14x8.5mm,TP	

ASSY-PCB,NTSC MICOM

1	*AA95-00391B	ASSY-PCB,NTSC MICOM;-,WT-32Z5HI,K54A,NTS	
..2 C901	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
..2 C902	2301-000111	C-FILM,PEF;1.8nF,5%,50V,TP,6.5x3.0x5.5mm	
..2 C903	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
..2 C904	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
..2 C905	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
..2 C906	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
..2 C907	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
..2 C908	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
..2 C910	2201-000193	C-CERAMIC,DISC;0.01nF,0.25pF,50V,NP0,TP,	
..2 C911	2201-000573	C-CERAMIC,DISC;0.047nF,5%,50V,NP0,TP,5x3	
..2 C912	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
..2 C913	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
..2 C914	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
..2 C915	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
..2 C916	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
..2 C917	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
..2 CN901	3711-003215	CONNECTOR-HEADER;NOWALL,18P,1R,2.5MM,ANG	
..2 CN902	3711-003543	CONNECTOR-HEADER;NOWALL,16P,1R,2.54MM,AN	
..2 CN903	AA61-10068A	BRACKET-PCB;-,M2160,SPTE,T0.3,-,-,-	S.N.A
..2 CN904	AA61-10068A	BRACKET-PCB;-,M2160,SPTE,T0.3,-,-,-	S.N.A
..2 D901	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
..2 D903	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
..2 DZ901	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
..2 DZ902	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
..2 DZ903	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
..2 DZ904	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
..2 DZ905	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
..2 DZ906	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
⚠ ..2 IC901	AA09-00101A	IC MICOM;Z9037116PSC-OTP,SVP43J5M,52P,5	
⚠ ..2 IC902	1203-000515	IC-VOL. DETECTOR;7042,TO-92,3P,177MIL,PL	
..2 L901	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
..2 L902	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
..2 L903	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
..2 L906	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
..2 Q901	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
..2 Q902	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
..2 Q903	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
..2 Q904	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
..2 R901	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2 R902	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2 R903	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2 R905	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R906	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R907	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2 R908	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R909	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R910	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R911	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R912	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2 R913	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2 R914	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2 R915	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2 R916	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R917	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R918	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2 R919	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R920	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R921	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R922	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R923	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2 R924	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2 R925	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2 R926	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R927	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R928	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R930	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R931	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2 R932	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R933	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2 R934	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R935	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2 R936	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R937	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R938	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R939	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2 R940	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2 R941	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R942	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2 R943	2001-001062	R-CARBON(S);10MOHM,5%,1/2W,AA,TP,2.4X6.4	
..2 R944	2001-000864	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R945	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2 R946	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R947	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2 R948	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R949	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R950	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R952	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R953	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R954	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R955	2001-000411	R-CARBON;18KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R956	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R959	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R960	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R961	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 R962	2001-000832	R-CARBON;510OHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2 X901	2801-003224	CRYSTAL-UNIT;32.768KHZ,20PPM,28-AAY,12.5	
..2	2201-000600	C-CERAMIC,DISC;0.56nF,10%,50V,Y5P,TP,5x3	
..2	2202-000806	C-CERAMIC,MLC-AXIAL;220pF,10%,50V,Y5P,TP	
..2	0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	S.N.A
..2	AA41-00159B	PCB-MICOM;CT-29A7DR,FR-1,1L,B,1.6T,330x2	S.N.A

Loc. No.	Code No.	Description ; Specification	Remark

ASSY-PCB, A/V SIDE

1		*AA95-00870A	ASSY-PCB, A/V SIDE;-,WT-32Z5HR,K54A,NTSC	
..2	C701	2202-000231	C-CERAMIC,MLC-AXIAL;330pF,10%,50V,Y5P,TP	
..2	C702	2202-000231	C-CERAMIC,MLC-AXIAL;330pF,10%,50V,Y5P,TP	
..2	C703	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
..2	C704	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
..2	C705	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
..2	C706	2202-000263	C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP	
..2	C707	2202-000263	C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP	
..2	C708	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
..2	CN701A	AA39-20159B	LEAD CONNECTOR-ASSY;-,-,-,-,-,-,-,-,-,YB	
..2	JA701A	3722-001031	JACK-RCA;3P,3.6MM,#18,AU	
..2	JA702A	3722-001163	JACK-VHS;4P,12mm,AU,BLK,N	
..2	JA703A	3722-000143	JACK-PHONE;1P(VER),3.4mm,AG,BLK,NO	
..2	L706	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
..2	L707	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
..2	L708	2702-001096	INDUCTOR-RADIAL;33uH,10%,6x4mm	
..2	L709	2702-001096	INDUCTOR-RADIAL;33uH,10%,6x4mm	
..2	R706	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2	R707	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2	R708	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2	R709	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2	R710	2001-000490	R-CARBON;200OHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2		AA61-00545A	HOLDER-AV,HOUSING ASSY;32Z5,ABS,GRAY,HB,	
...3		6003-001070	SCREW-TAPTITE;BH,+,B,M2,L4,ZPC(BLK),SWRC	
...3		AA61-00453B	HOLDER-AV,HOUSING;32Z5,ABS,GRAY,HB,-,-	
...3		AA61-30001A	LATCH-DOOR;-,-,-,KIFUCO LA701,-	S.N.A
...3		AA61-80002A	DAMPER-GEAR;-,DP802,-,37G,BLU,DP802,-	S.N.A
..2		AA61-60109D	SPRING-DOOR;32W8,SUS304L,-,-,-,-,-,-,-	S.N.A
..2		AA63-10002A	BAND-TIE;-,NYLON66 V2,-,-,L100,NTR,-,-	S.N.A
..2		0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	S.N.A
..2		AA41-00245A	PCB-SIDE A/V;KS4A,1L,FR-1,245x245x1.6T,8	S.N.A
..2		AA61-00451B	HOLDER-AV;32Z5,ABS,G4309,HB,-,-	
..2		AA61-00544A	HOLDER-AV,COVER ASSY;32Z5,ABS,GRAY,HB,-,	
...3		AA61-00452B	HOLDER-AV,COVER;32Z5,ABS,GRAY,HB,-,-	
...3		AA64-01204B	INLAY-SIDE,AV;32Z5,PS SHEET,T0.3,-,-,-,K	

ASSY-TACK S/W

1		*AA95-00756A	ASSY-TACK S/W;-,WT-32Z5HI,K54A,NTSC,-,-	
..2	CNM01	AA39-20068E	LEAD CONNECTOR-ASSY;-,YBNH025-08,67096-0	
..2	LDM01	0601-000198	LED;ROUND,RED/GRN,5.0mm,630/565nm	
..2	PCB+HP	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
..2	RMN01	AA32-00005A	MODULE REMOCON;VISHAY,10,700~850,-,-,ST	
..2	SWM01	3404-000176	SWITCH-TACT;12V,50mA,120gf,6x6mm,SPST	
..2		0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	S.N.A
..2		AA99-20083X	ASSY-PCB SUB,AUTO; AA95-00756A ,V	S.N.A
...3	CM01	2401-002291	C-AL;47uF,20%,16V,GP,TP,6.3x5,5	
...3	DM01	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
...3	DM02	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
...3	QM01	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3	QM02	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3	RM01	2001-000020	R-CARBON(S);22OHM,5%,1/2W,AA,TP,2.4X6.4M	
...3	RM02	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
...3	RM03	2001-001114	R-CARBON(S);270OHM,5%,1/2W,AA,TP,2.4X6.4	
...3	RM04	2001-001114	R-CARBON(S);270OHM,5%,1/2W,AA,TP,2.4X6.4	
...3	RM05	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
...3	RM06	2001-001108	R-CARBON(S);22KOHM,5%,1/2W,AA,TP,2.4X6.4	
..2		AA61-00450B	HOLDER-POWER;32Z5,ABS,GRAY,HB,-,-	
..2		AA41-00310A	PCB-TACT SWITCH;WT-32Z5DI,FR-1,1L,A,1.6T	S.N.A

ASSY PCB CONTROL

1		*AA95-00677A	ASSY PCB CONTROL;-,K54A,WT-32Z5HI,-	
..2	CNC01	3711-000479	CONNECTOR-HEADER;BOX,5P,1R,2.5mm,ANGLE,-	
..2	CNC01A	AA39-00183A	LEAD CONNECTOR ASSY;-,-,-,5P,-,-,-,67096	
..2	PCB+KC	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
..2	SWC01	3404-000176	SWITCH-TACT;12V,50mA,120gf,6x6mm,SPST	
..2	SWC02	3404-000176	SWITCH-TACT;12V,50mA,120gf,6x6mm,SPST	
..2	SWC03	3404-000176	SWITCH-TACT;12V,50mA,120gf,6x6mm,SPST	
..2	SWC04	3404-000176	SWITCH-TACT;12V,50mA,120gf,6x6mm,SPST	
..2	SWC06	3404-000176	SWITCH-TACT;12V,50mA,120gf,6x6mm,SPST	
..2	SWC07	3404-000176	SWITCH-TACT;12V,50mA,120gf,6x6mm,SPST	
..2		0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	S.N.A
..2		AA99-20083W	ASSY-PCB SUB,AUTO; AA95-00677A ,V	S.N.A
...3	RC03	2001-000387	R-CARBON;16KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3	RC04	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3	RC05	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3	RC06	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3	RC07	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2		AA64-01201B	KNOB CONTROL;32Z5,ABS,-,G3676,P/WHITE,HB	
..2		AA41-00294A	PCB-CONTROL;WT-32Z5DI,FR-1,1L,A,1.6T,245	S.N.A

ASSY POWER CORD

1		*AA96-20125E	ASSY POWER CORD;-,CP2/NO(4.8),H/S 150mm,	
..2		3811-000401	WIRE-PVC CU;BCWA,300V,ROLL,17/0.16mm,#22	S.N.A
..2		AA39-10006Z	POWER-CORD;-,DW003,VCTEK 2X0.75MM,2.4,3P	
..2		AA61-20284A	HOLDER;-,P-CORD,PP,VO,BLK,KE-002	S.N.A

ASSY TBC WIRE(P)

1		*AA98-70011G	ASSY TBC WIRE(P);-,32inch,NTSC,2PWH,KS4A	S.N.A

ASSY HOLDER SPK

1		*AA91-00487A	ASSY HOLDER SPK;-,PP,8ohm/25W,-,ZEUS SUB	

ASSY TERMINAL BOARD

1		*AA91-00470A	ASSY TERMINAL BOARD;-,HIPS,VO,BLK,K54A D	
..2	DC06	2201-000532	C-CERAMIC,DISC;4.7nF,10%,50V,Y5P,TP,8x3.	
..2	DC07	2201-000532	C-CERAMIC,DISC;4.7nF,10%,50V,Y5P,TP,8x3.	
..2	DC09	2201-000144	C-CERAMIC,DISC;0.1nF,5%,50V,NP0,TP,8.5x3	
..2	DC10	2201-000144	C-CERAMIC,DISC;0.1nF,5%,50V,NP0,TP,8.5x3	
..2	DCN01	AA39-20070E	LEAD CONNECTOR-ASSY;-,YBNH025-07,67096-0	
..2	DCN02	AA39-20183A	LEAD CONNECTOR-ASSY;-,YBNH250-08,67096-0	
..2	DJK01	3722-001547	JACK-RCA;3P,3.5mm,AU,GRN/BLU/RED,-	
..2	DJK02	3722-001439	JACK-RCA;2P,3.5mm,NI,BLK,-	
..2	DJK03	3722-001546	JACK-RCA;3P,3.5mm,AU,WHT/RED/BLK,-	
..2	DL01	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
..2	DL02	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
..2	DL03	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
..2	DL04	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
..2	DLF01	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
..2	DLF02	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
..2	DVDPCB	6006-001095	SCREW-ASS'Y TAPT;WP,BH,+,M4,L12,ZPC(YEL)	
..2	DZ04	0403-001325	DIODE-ZENER;MTZJ15C,14.35-15.09V,500mW,D	
..2	DZ05	0403-001325	DIODE-ZENER;MTZJ15C,14.35-15.09V,500mW,D	
..2	DZ06	0403-001325	DIODE-ZENER;MTZJ15C,14.35-15.09V,500mW,D	
..2	DZ07	0403-001325	DIODE-ZENER;MTZJ15C,14.35-15.09V,500mW,D	
..2		AA41-00292B	PCB-DTV JACK;WT-32Z5HR,FR-1,1L,B,1.6T,33	
..2		AA63-00312B	TERMINAL-BOARD;32Z5,HIPS,-,VO,BLK	S.N.A
..2		AA64-01205B	INLAY-BACK;32Z5,PS SHEET,T0.5,-,-,-,K54A	S.N.A

ASSY CHASSIS PART

1		*AA90-00378A	ASSY CHASSIS PART;K54A,32Z5HR	S.N.A
..2	C-BLOC	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
..2	MP+HC	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
..2	PP+HC	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
..2	SUBPCB	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
..2	TBA+HC	6003-001024	SCREW-TAPTITE;RWH,+,B,M4,L12,ZPC(YEL),SW	S.N.A
..2		AA61-00449B	HOLDER-CHASSIS;32Z5,ABS,GRAY,VO,-,-	S.N.A

Loc. No.	Code No.	Description ; Specification	Remark

Loc. No.	Code No.	Description ; Specification	Remark

ASSY CABINET

1		*AA90-00377A	ASSY CABINET;32Z5,WT-32Z5HR	S.N.A
..2	BC+CF	6002-000522	SCREW-TAPPING;TH,+,2,M4,L15,ZPC(BLK),SWR	
..2	CABBAC	AA60-00091J	SPACER-FELT;-,FELT,330X10,-,-,BLK,T0.5,-	S.N.A
..2	CB+CF	AA60-10050T	SCREW-TAPPING;RH,+,2S,M4,L20,ZPC(BLK),SW	
..2	CB_TBA	AA60-10050T	SCREW-TAPPING;RH,+,2S,M4,L20,ZPC(BLK),SW	
..2	CRT	AA63-60004L	SPACER-GUM,CRT;NTR RUBBER,T3.0,BLK,NEW,-	S.N.A
..2	CRT+CF	AA60-10050V	SCREW-ASSY;WC,HH,+,M6,L30,SWRCH18A,ZPC(S	S.N.A
..2	DR+CF	6002-000522	SCREW-TAPPING;TH,+,2,M4,L15,ZPC(BLK),SWR	
..2	HP+CF	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	
..2	KC+CF	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	
..2	TB+RCA	AA60-10050T	SCREW-TAPPING;RH,+,2S,M4,L20,ZPC(BLK),SW	
..2	WOOFER	6006-001096	SCREW-ASS'Y TAPT;WP,BH,+,M4.0,L12,BLK,SW	S.N.A
..2		AA61-10054A	BRACKET-CRATER;-,6277,STS304,T0.5,-,-,-	S.N.A
..2		AA64-01291B	INLAY-COVER;D4,PVC-SHEET,T0.4,94 V0,BLK,	S.N.A
..2		AA63-10007C	BAND-PP;-,-,-,W18,-,CLEAR,1G,-	S.N.A
..2		AA64-01198B	CABINET BACK;32Z5,-,HIPS,VO,G4309	
..2		AA65-30008A	CLAMP-CORD;PE,HB,BLK,-,-,-	S.N.A

ASSY CABINET FRONT

1		*AA91-00469A	ASSY CABINET FRONT;-,WT-32Z5HR,P/W DO K5	
..2	DOME	AA60-10050A	SCREW-ASSY;WP,RH,+,M4,L25,SWRCH18A,-,ZPC	S.N.A
..2	MAS+CF	6003-001019	SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR	
..2	WIN+CF	6003-001019	SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR	
..2		AA64-01202B	WINDOW REMOCON;32Z5,PC,-,-,-,VO,VIOLET,-	
..2		AA64-01203B	INDICATOR LED;32Z5,ACRYL,-,CLR,-,-,-	
..2		AA91-00486A	ASSY HOLDER SPK;-,PP,8ohm/10W,BLK,ZEUS S	
..2		AA64-01200B	KNOB POWER;32Z5,ABS,-,G3676,PEARL-WHT TA	
..2		AA64-01199B	CABINET-MASK;32Z5,WH008P K54A DO,ABS,HB,	
..2		AA64-01197B	CABINET FRONT;WT-32Z5HR,WH019P DO K54A,H	
..2		AA64-01062B	BADGE BRAND;32Z5,AL FORGING,-,-,L65,SILV	
..2		AA61-60003J	SPRING-CS;-,SUS304,0.5,OD6,H12,N7,-,-,-	

ASSY CRT

1		*AA94-03114A	ASSY CRT;W76QED991X001,+380MG,32 INCH,-	S.N.A
⚠ ..2		AA03-00216A	CRT COLOR;W76QED991X001,-,32WDDF,0.65mm,	

REMOCON

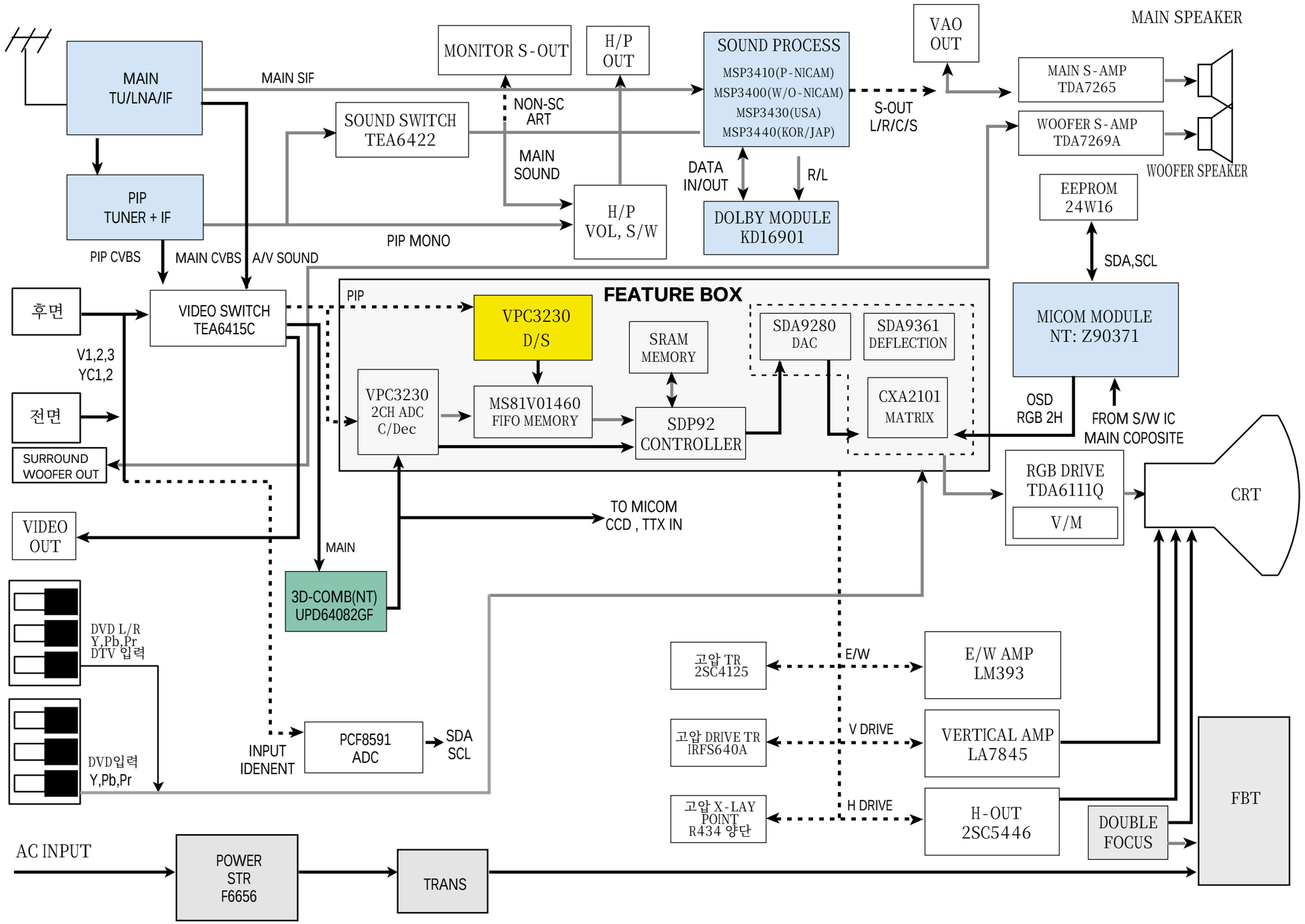
1		*AA59-00168A	REMOCON;-,TM63,ZEUS,48,SILVER,S/S,DO,-	
..2		AA09-00051A	IC-MCU;Z86L8808SSC-R501M,SZTM-822,ST,	
..2		2802-000194	RESONATOR-CERAMIC;8MHz,1.0%,TP,8.5x4.5x5	

ASSY ACCESSORY

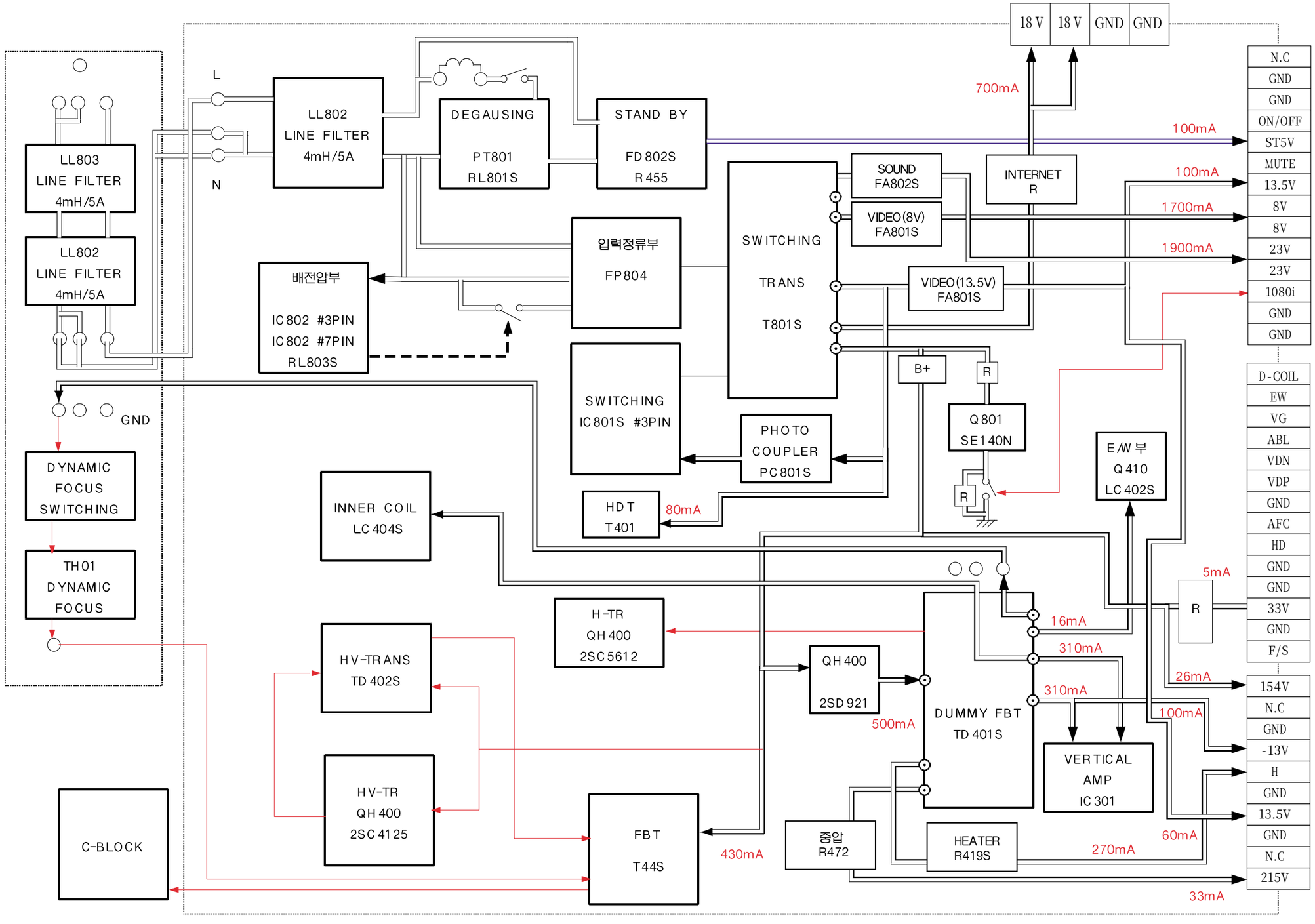
1		*AA94-02919P	ASSY ACCESSORY;WT-32Z5HR,K54A,-	S.N.A
..2		AA68-01226B	MANUAL USERS;,KOR,B5,W/P100(G),44PAGE,K5	S.N.A
..2		AA68-30026A	MANUAL-GUIDE;KCT51A,A/P100(G),A4,KOR,-,W	S.N.A

MEMO

8-2 BLOCK

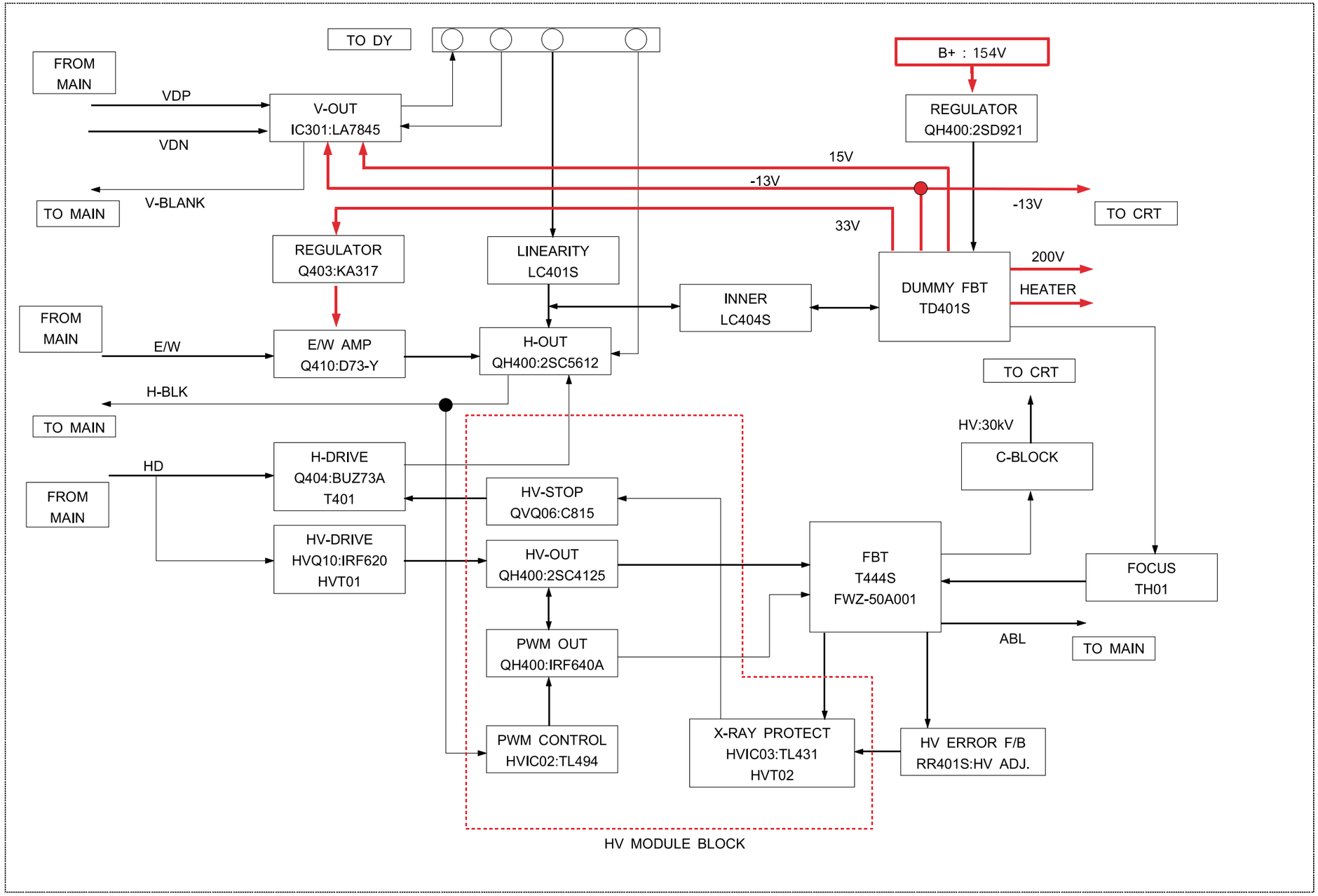

MAIN SPEAKER
MAIN TU/LNA/IF
MAIN SIF
MONITOR S-OUT
H/P OUT
SOUND PROCESS
MSP3410(P-NICAM)
MSP3400(W/O-NICAM)
MSP3430(USA)
MSP3440(KOR/JAP)
VAO OUT
S-OUT L/R/C/S
MAIN S-AMP TDA7265
WOOFER S-AMP TDA7269A
WOOFER SPEAKER
SOUND SWITCH TEA6422
NON-SC ART
MAIN SOUND
PIP TUNER + IF
H/P VOL, S/W
DATA IN/OUT
R/L
DOLBY MODULE KD16901
EEPROM 24W16
PIP MONO
PIP CVBS
MAIN CVBS
A/V SOUND
SDA,SCL
후면
VIDEO SWITCH TEA6415C
FEATURE BOX
PIP
VPC3230 D/S
SRAM MEMORY
SDA9280 DAC
SDA9361 DEFLECTION
MICOM MODULE NT: Z90371
V1,2,3
YC1,2
VPC3230 2CH ADC C/Dec
MS81V01460 FIFO MEMORY
SDP92 CONTROLLER
CXA2101 MATRIX
OSD RGB 2H
FROM S/W IC MAIN COPOSITE
전면
SURROUND WOOFER OUT
RGB DRIVE TDA6111Q
V/M
CRT
TO MICOM CCD , TTX IN
VIDEO OUT
MAIN
3D-COMB(NT) UPD64082GF
DVD L/R Y,Pb,Pr DTV 입력
DVD입력 Y,Pb,Pr
INPUT IDENENT
PCF8591 ADC
SDA SCL
고압 TR 2SC4125
E/W
E/W AMP LM393
고압 DRIVE TR IRFS640A
V DRIVE
VERTICAL AMP LA7845
고압 X-LAY POINT R434 양단
H DRIVE
H-OUT 2SC5446
DOUBLE FOCUS
FBT
AC INPUT
POWER STR F6656
TRANS

8-3 POWER BLOCK

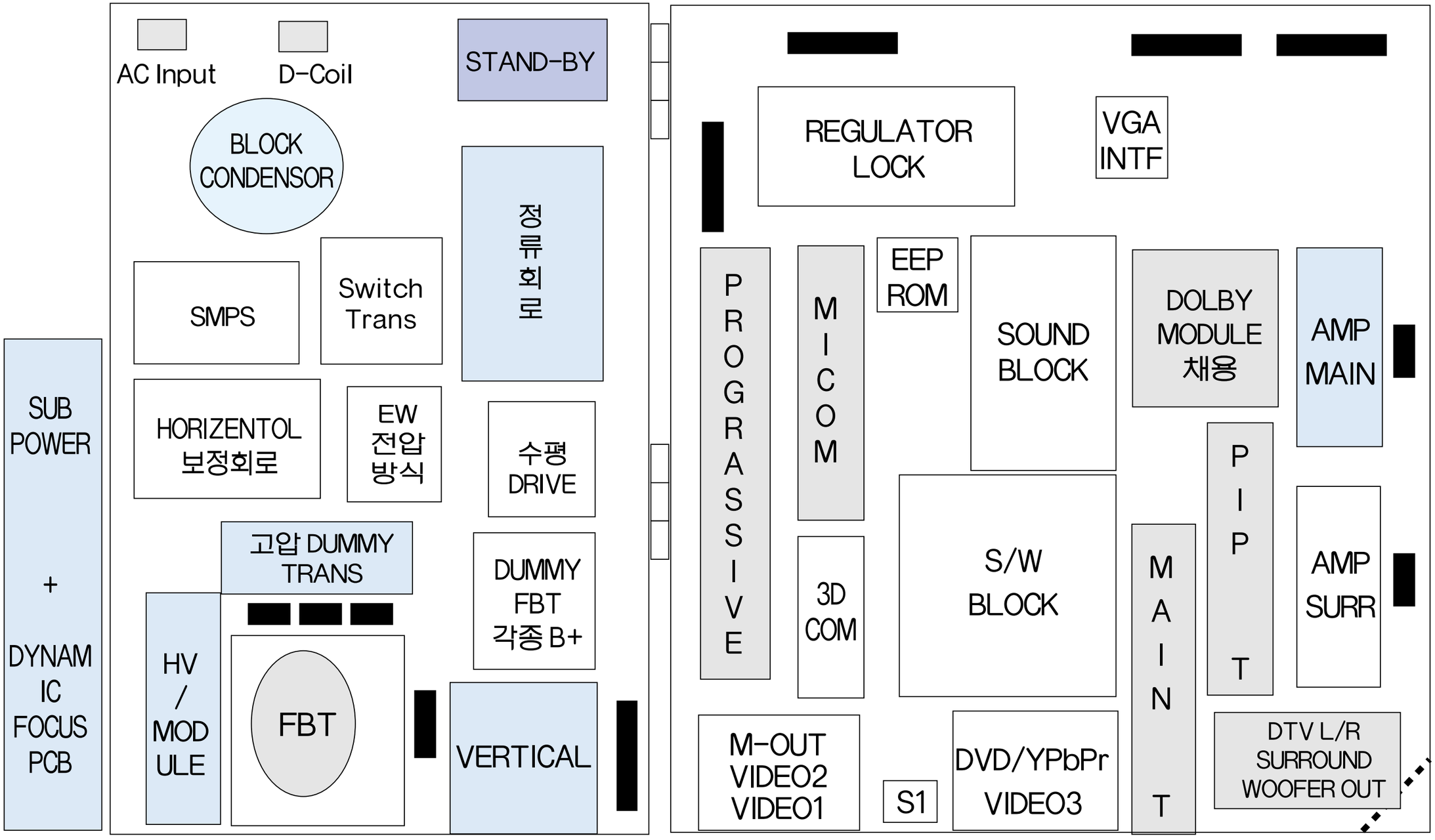


8-4 DEFIECTION BLOCK

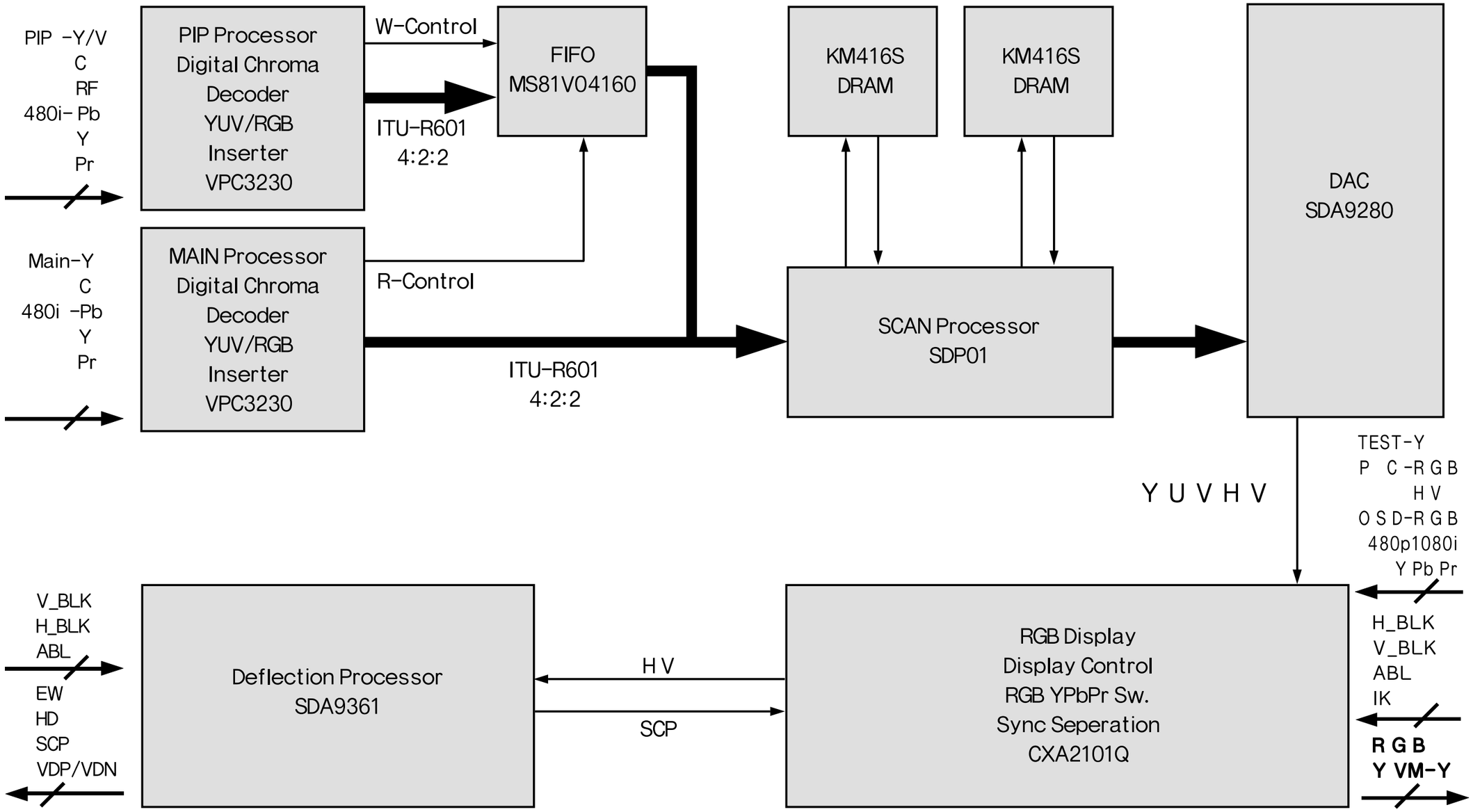
120도 광각
CRT



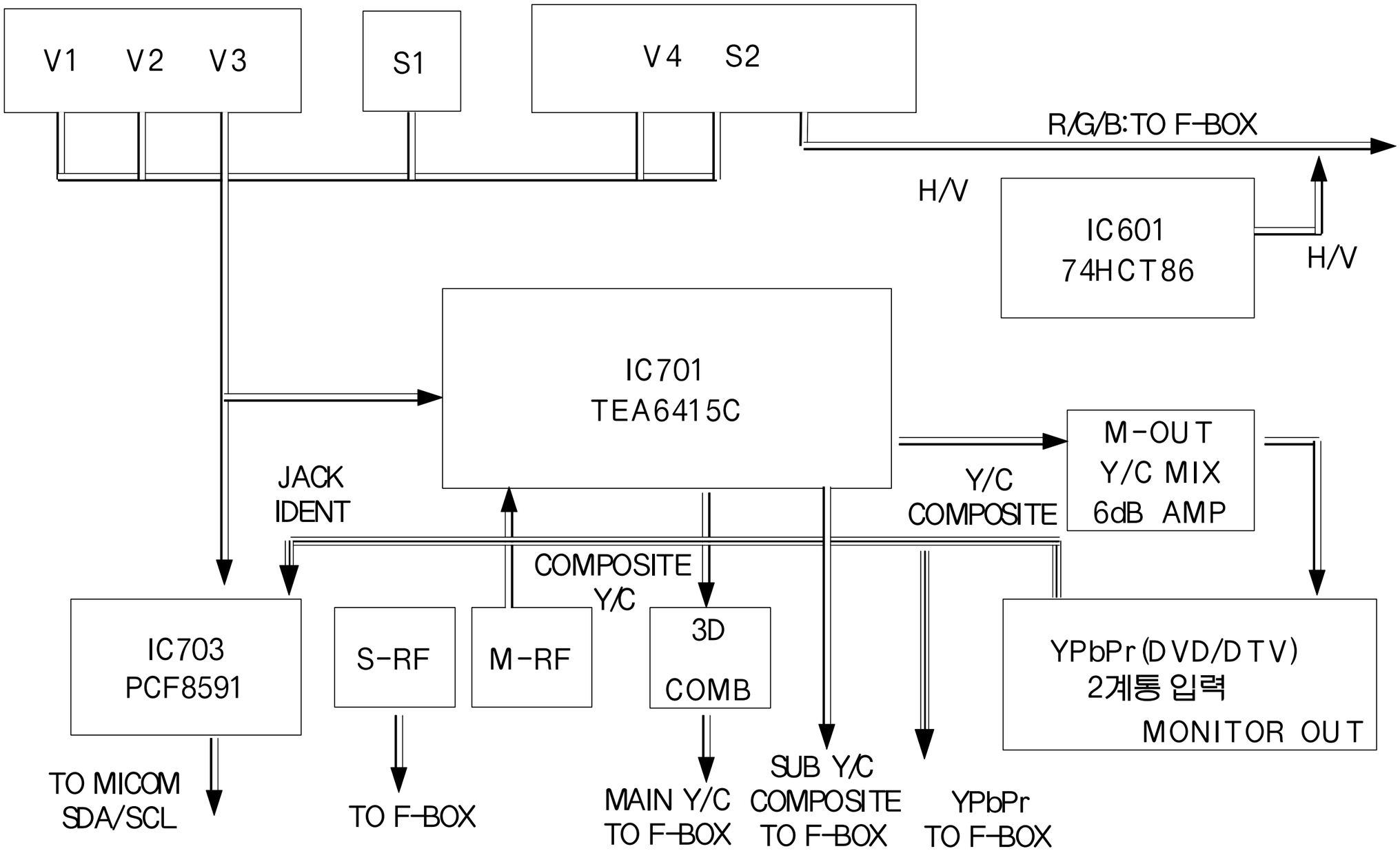
8-5 PCB LAYOUT



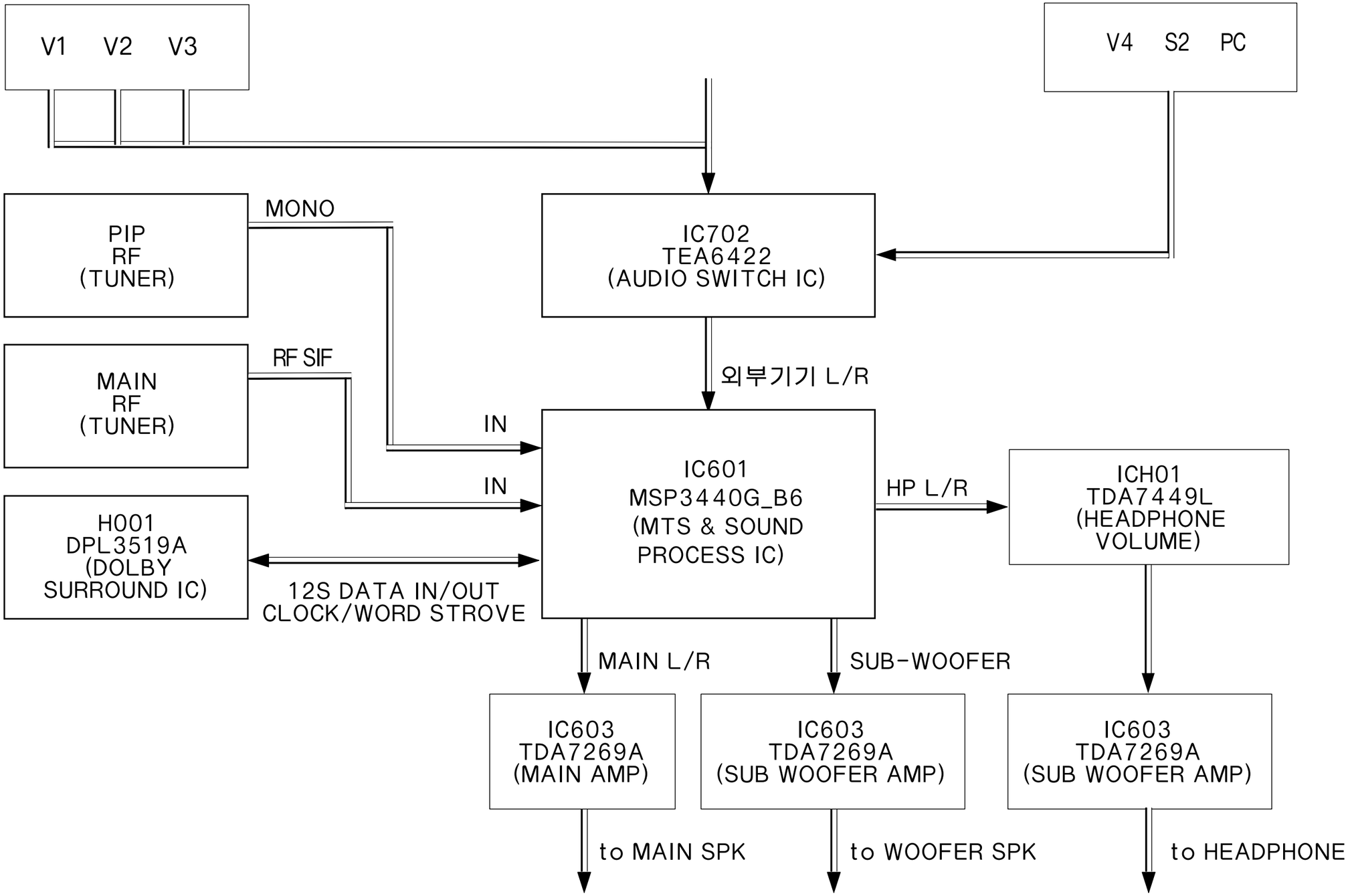
8-6 FEATURE-BOX



8-7 VIDEO FLOW

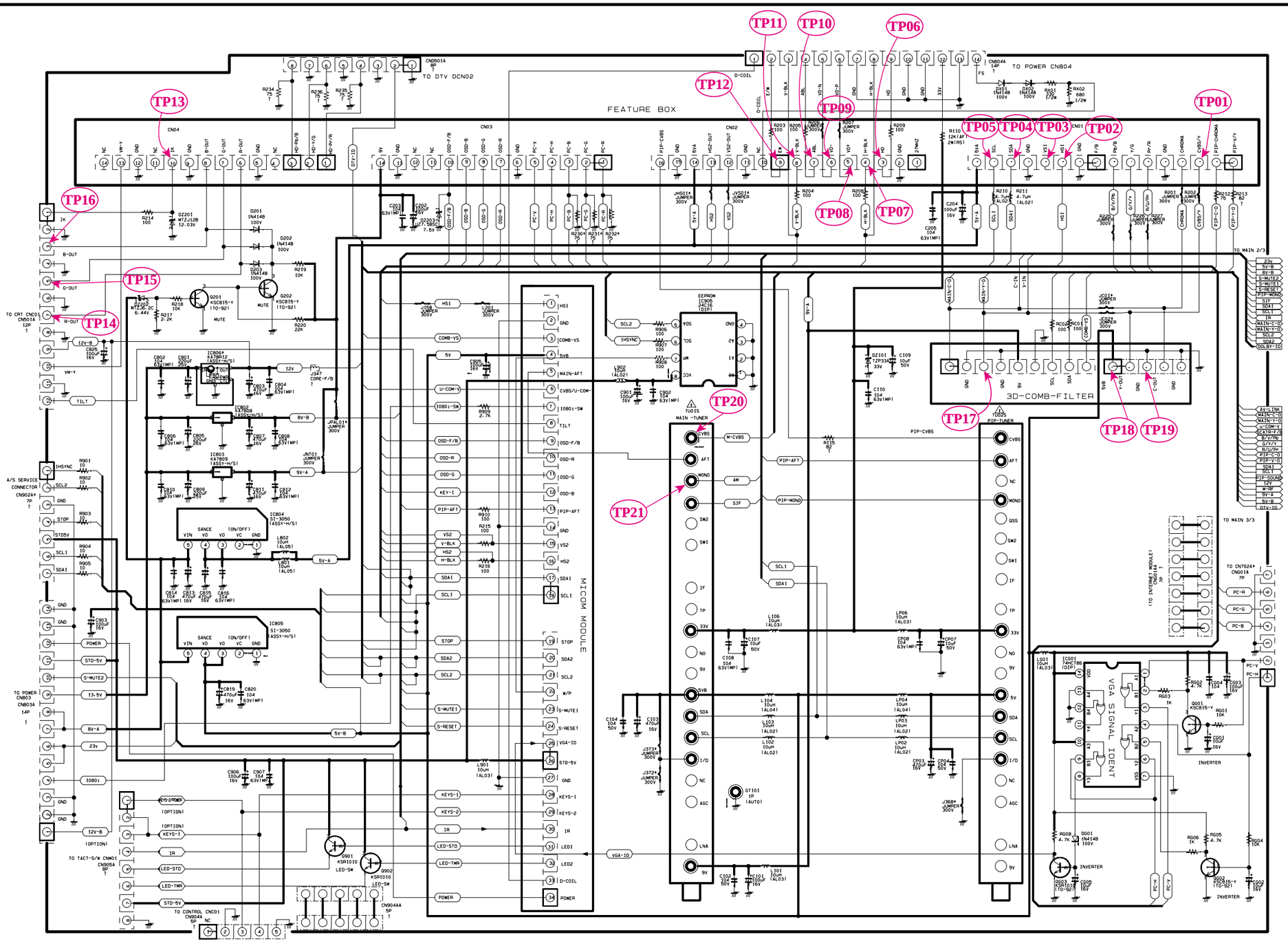


8-8 SOUND FLOW



9. Schematic Diagrams

9-1 MAIN 1



9-1-1 MAIN 1 WAVEFORMS

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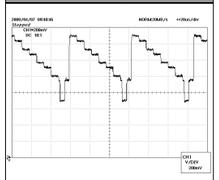

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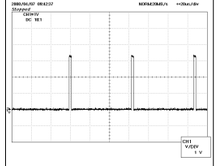

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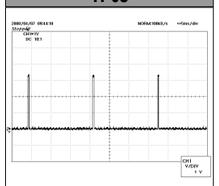

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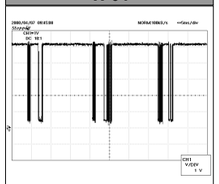

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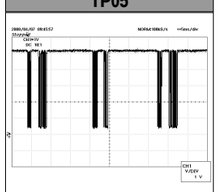

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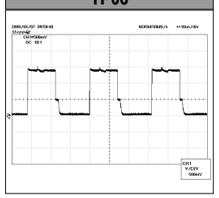

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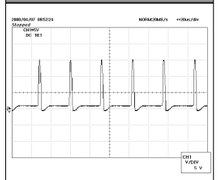

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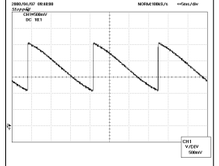

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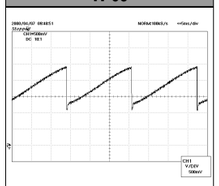

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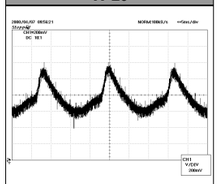

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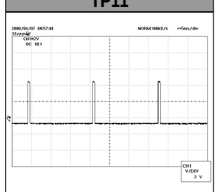

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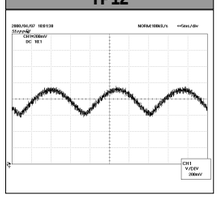

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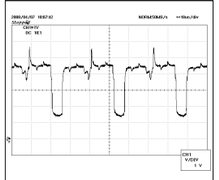

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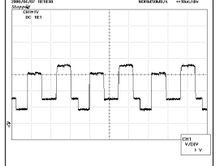

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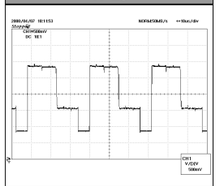

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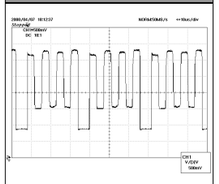

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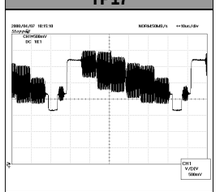

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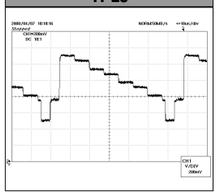

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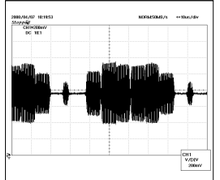

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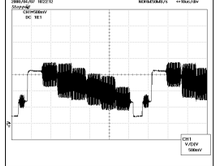

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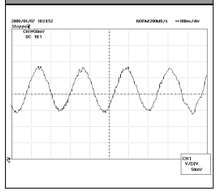
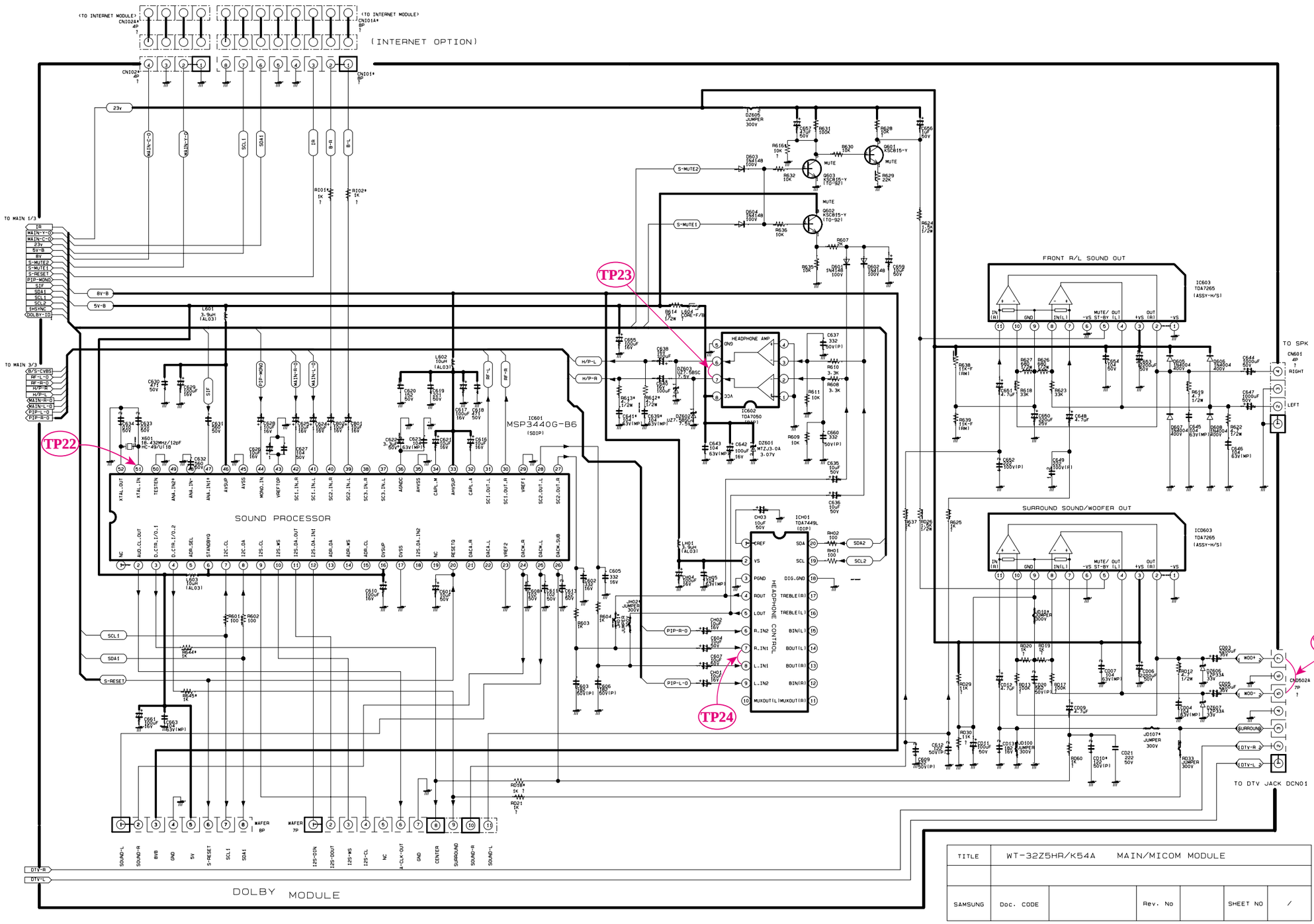
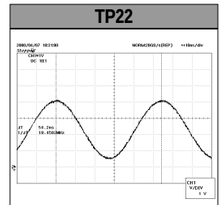
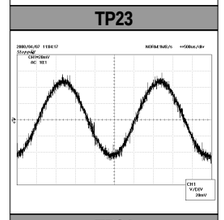
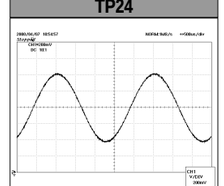


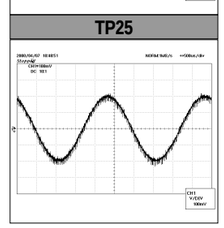
9-2 MAIN 2





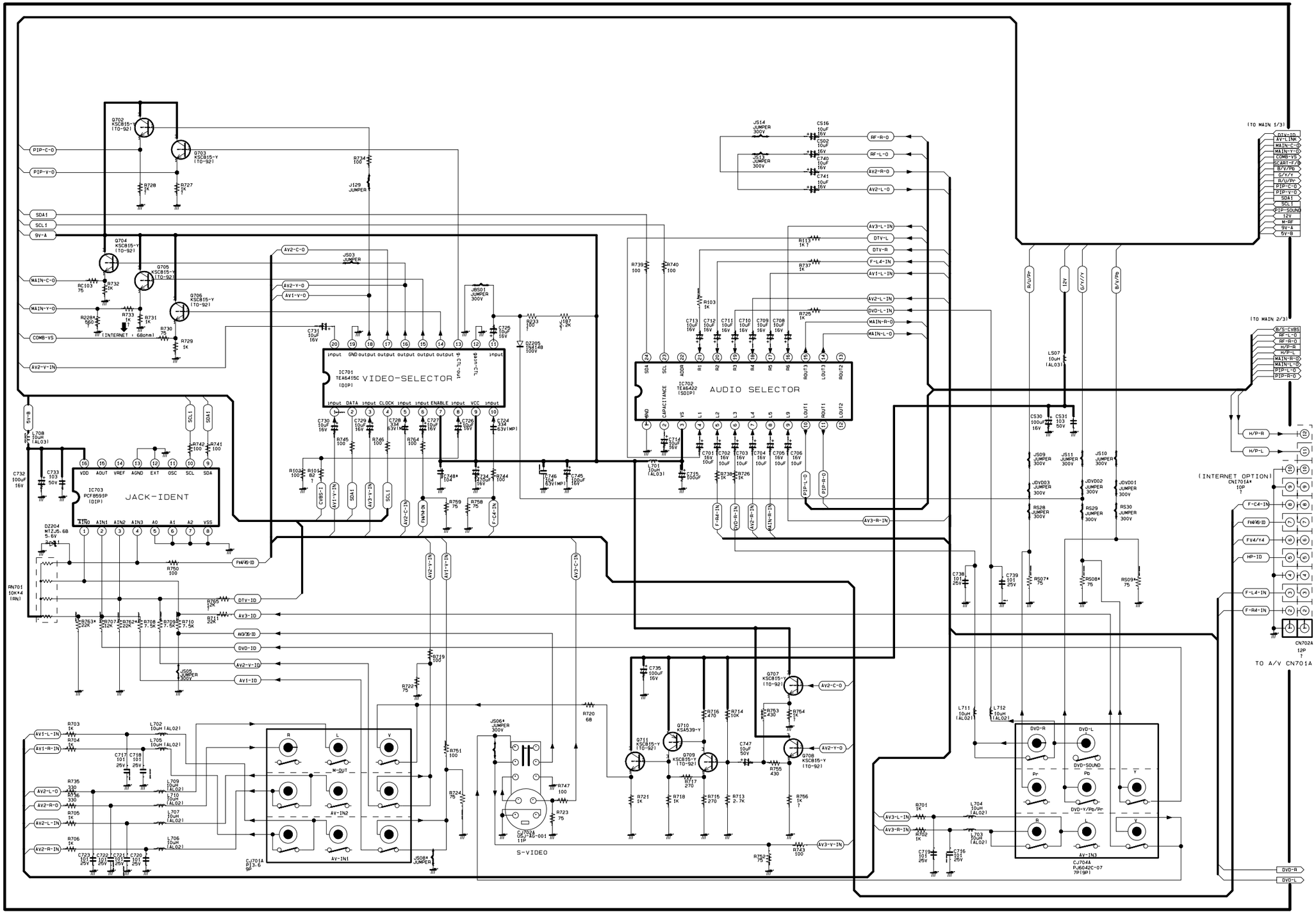






TITLE	WT-32Z5HR/K54A MAIN/MICOM MODULE					
SAMSUNG	Doc. CODE		Rev. No		SHEET NO	/

9-3 MAIN 3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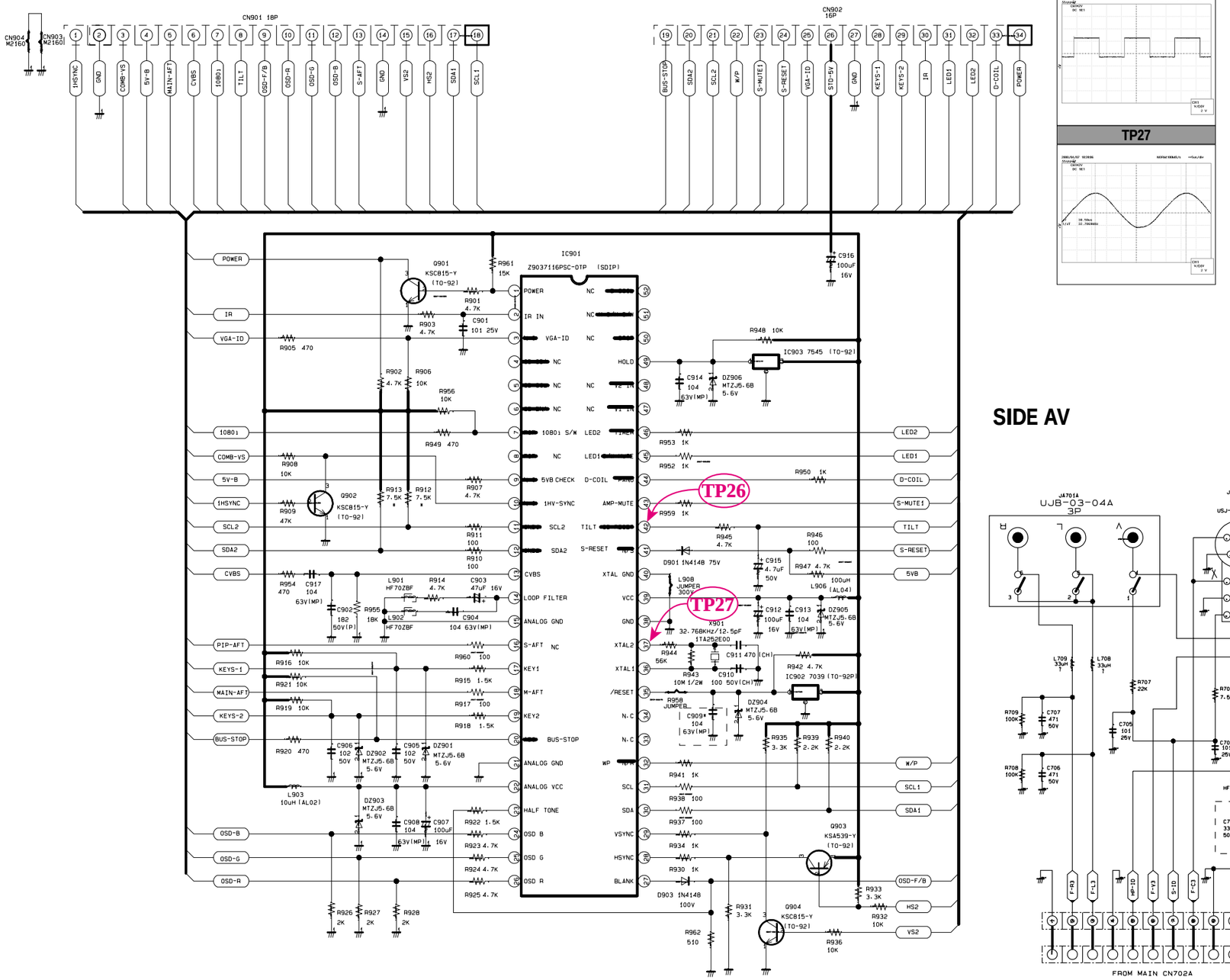
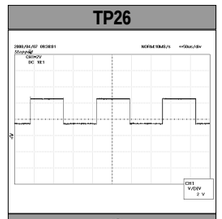
IC702 TEA6422 (SDIP) AUDIO SELECTOR
IC703 PCF8591P (DIP) JACK-IDENT
S-VIDEO
(INTERNET OPTION)
TO A/V CN701A
(TO MAIN 1/3)
(TO MAIN 2/3)
DVD-R
DVD-L
DVD-SOUND
DVD-Y/Pb/Pr
AV-IN1
AV-IN2
AV-IN3
M-OUT

9-4 MICOM, SIDE AV

MICOM

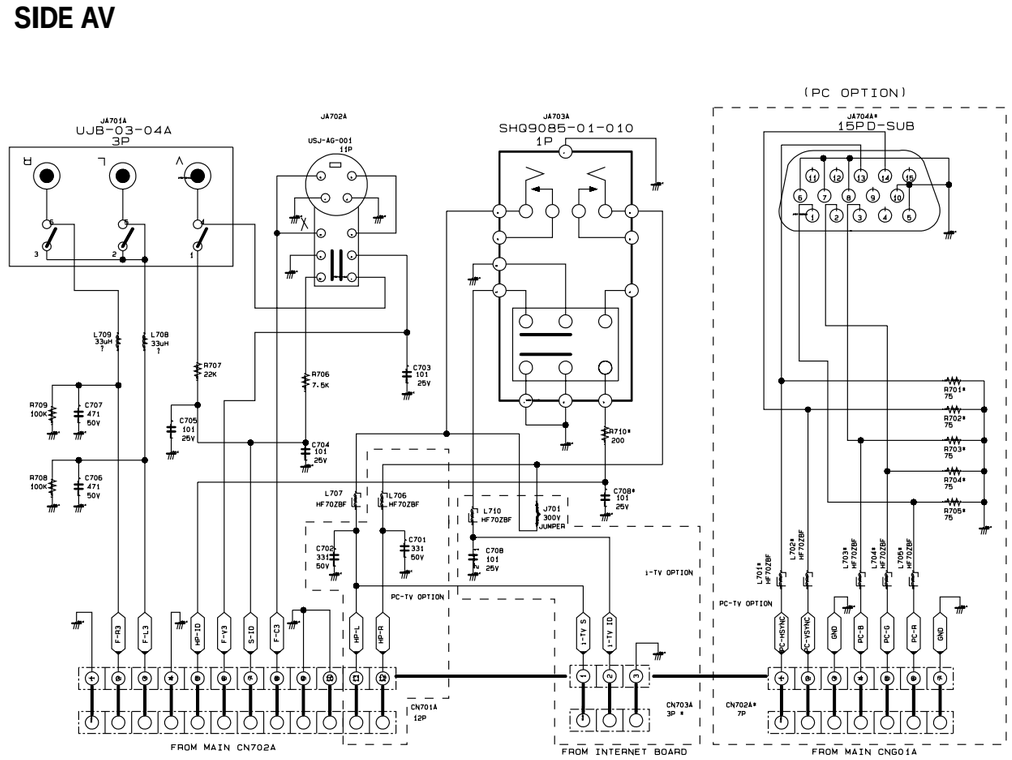


TP26

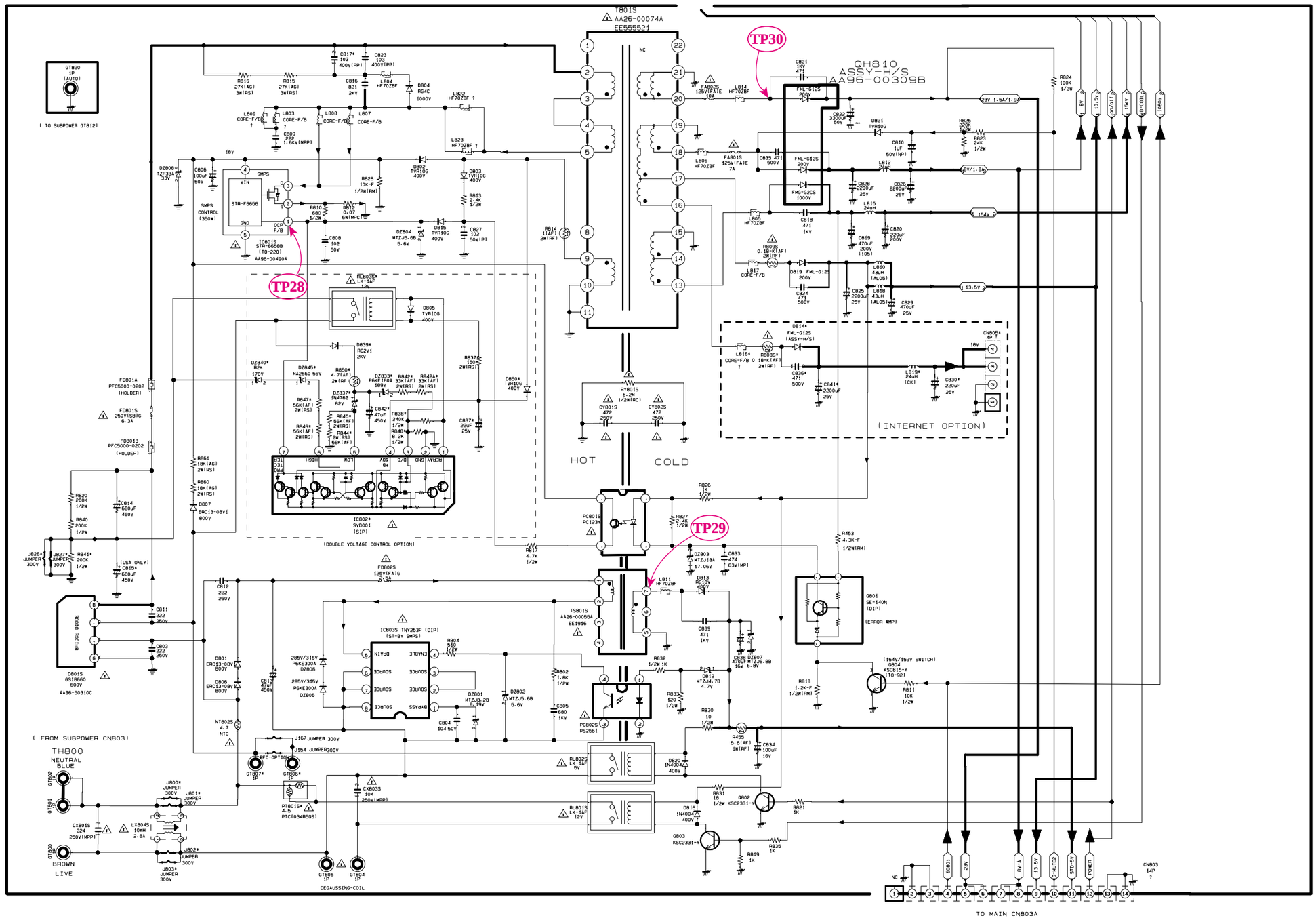


TP27

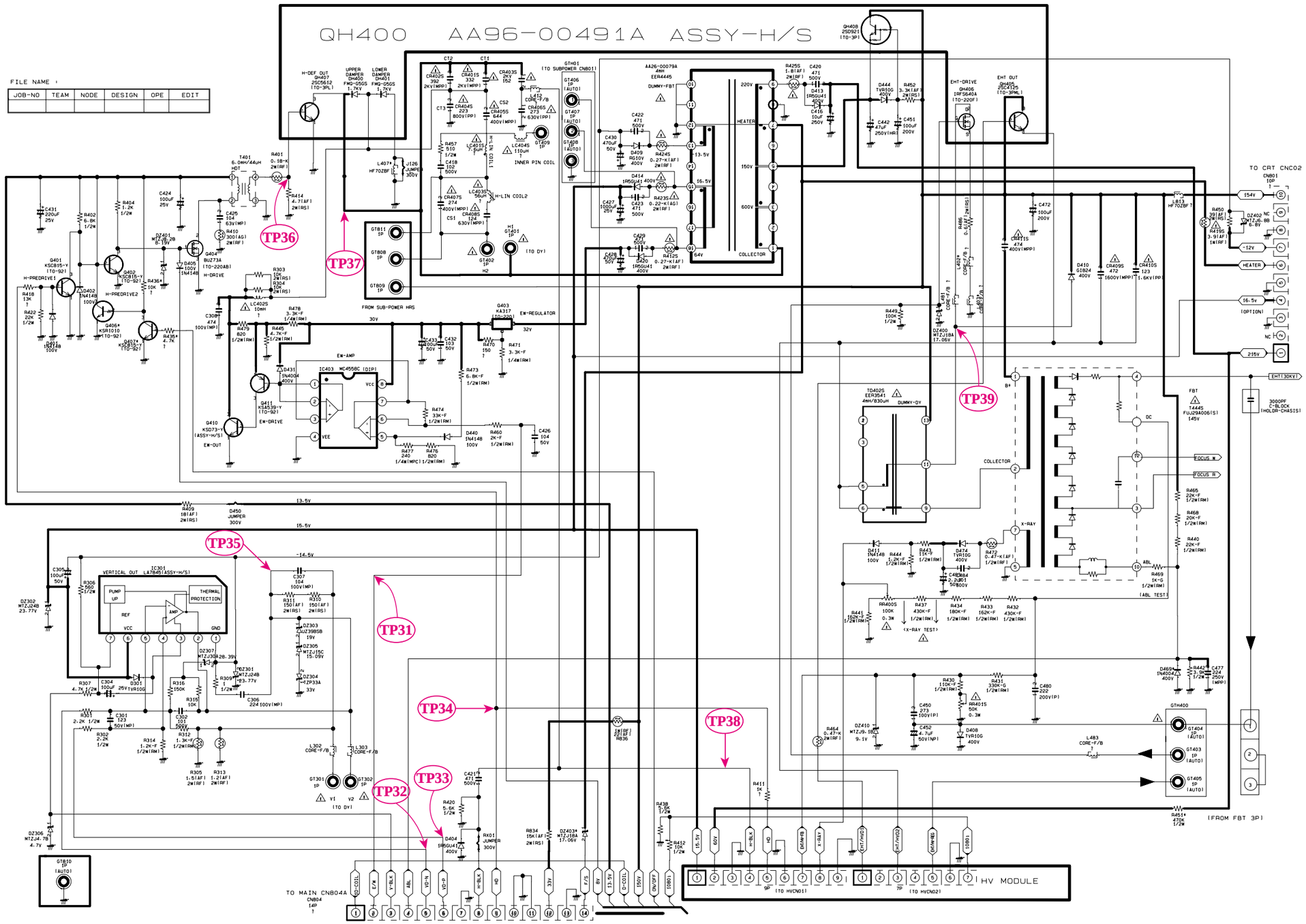
SIDE AV



9-5 POWER

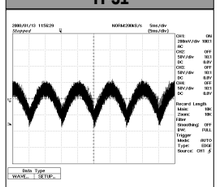

TP28
TP29
TP30
TB01S
AA26-00074A
EE555521
QHB10
ASSY-H/S
AA96-00309B
(INTERNET OPTION)
(DOUBLE VOLTAGE CONTROL OPTION)
HOT
COLD
(FROM SUBPOWER CN803)
TO MAIN CN803A
DEGAUSSING-COIL
(USA ONLY)
(154V/159V SWITCH)
(ERROR AMP)
BRIDGE DIODE
NEUTRAL
BLUE
BROWN
LIVE

9-6 POWER 2

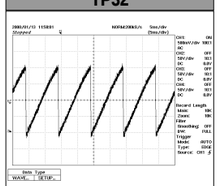

QH400 AA96-00491A ASSY-H/S
FILE NAME :
JOB-NO | TEAM | NODE | DESIGN | OPE | EDIT
TP31
TP32
TP33
TP34
TP35
TP36
TP37
TP38
TP39
TO CRT CNC02
HV MODULE
TO MAIN CN804
FROM SUB-POWER HRS
(TO SUBPOWER CNB01)
(FROM FBT 3P)
(TO HVCN01)
(TO HVCN02)
(ABL TEST)
(X-RAY TEST)
(OPTION)
(TO DY)
INNER PIN COIL
H-LIN COIL1
H-LIN COIL2
H-DRIVE
H-PREDRIVE1
H-PREDRIVE2
EW-REGULATOR
EW-AMP
EW-DRIVE
EW-OUT
VERTICAL OUT L47845(ASSY-H/S)
FBT
COLLECTOR
HEATER
DUMMY-FBT
DUMMY-DY
EHT-DRIVE
EHT OUT
154V
-12V
16.5V
215V
EHT(30KV)
FOCUS_M
FOCUS_R
ABL
X-RAY
3000PF
C-BLOCK
(HOLDR-CHASIS)

9-6-2 POWER 2 WAVEFORMS

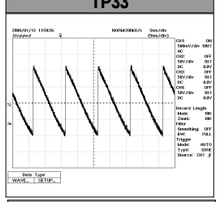
TP31



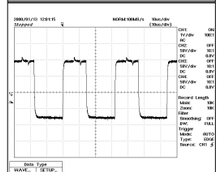
TP32



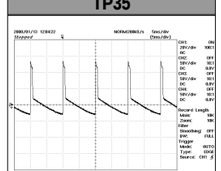
TP33



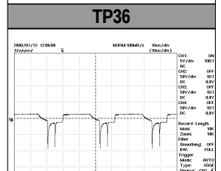
TP34



TP35

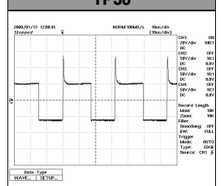


TP36

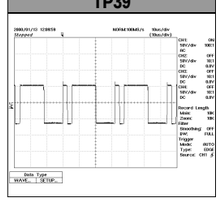


TP37

TP38

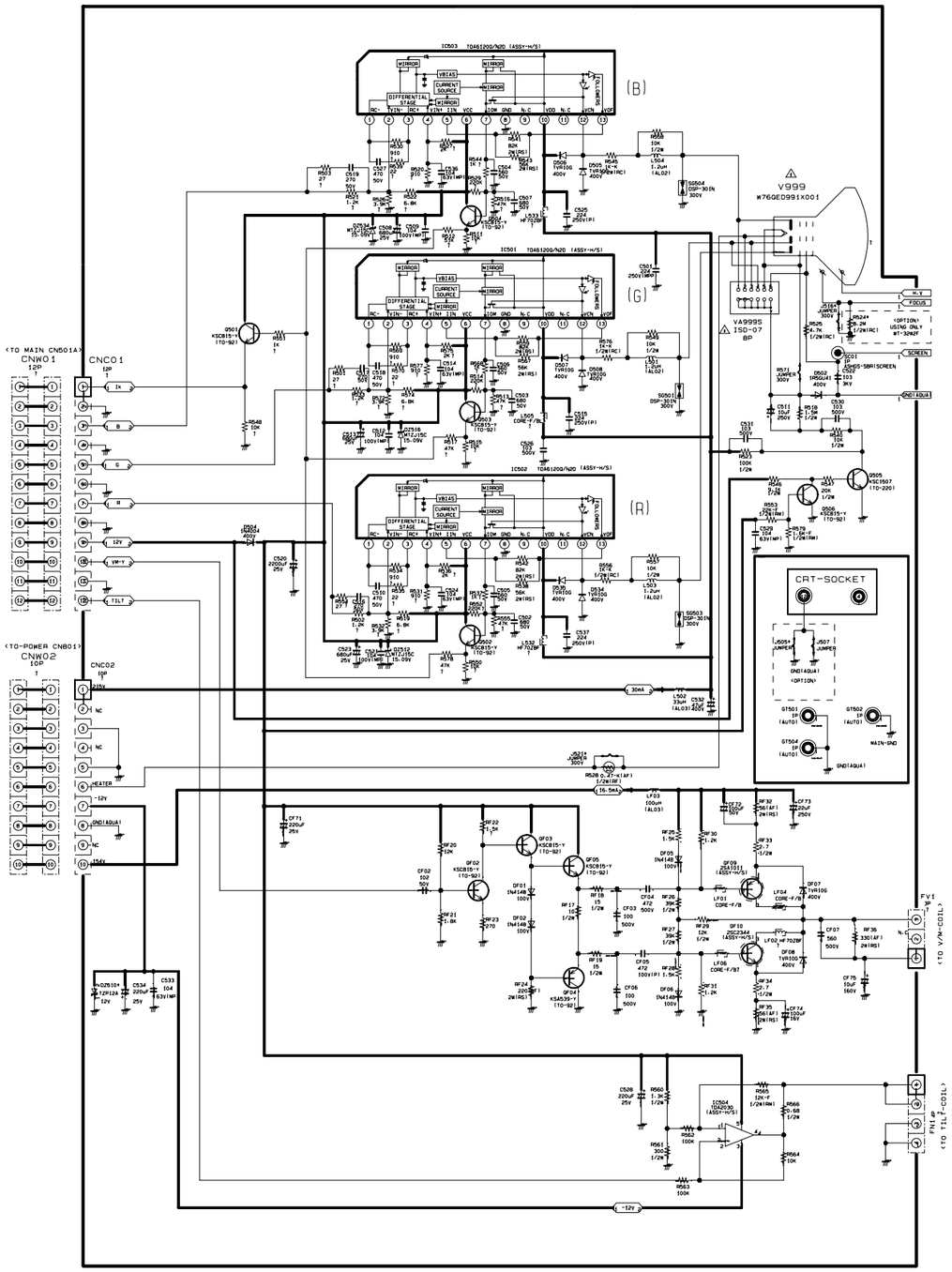


TP39

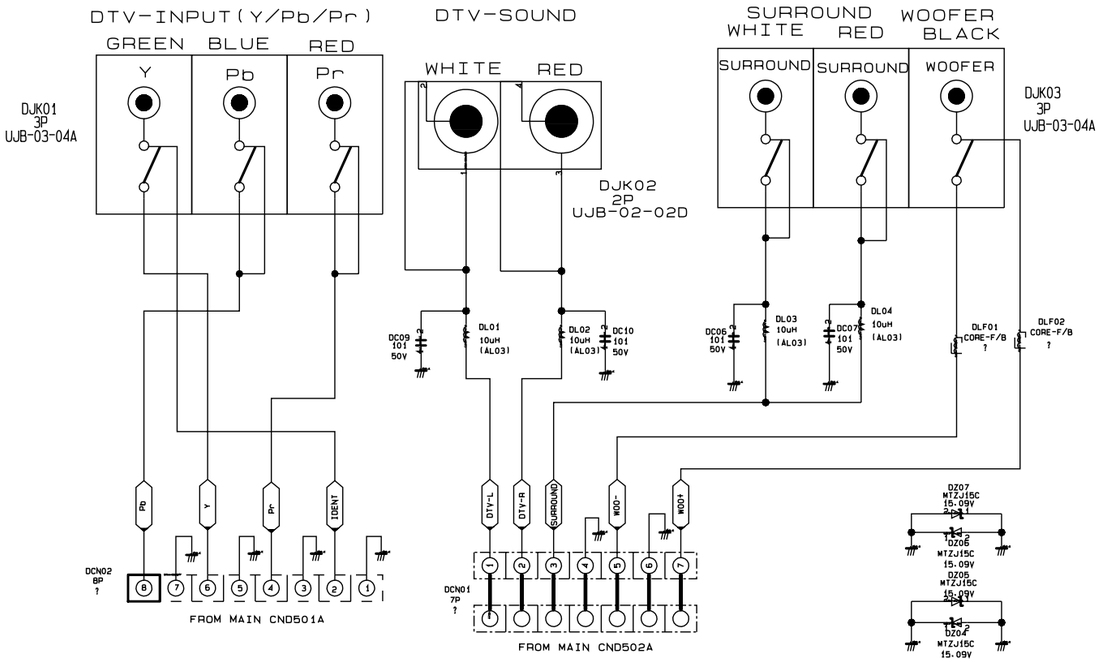


9-7 CRT, DTV-JACK

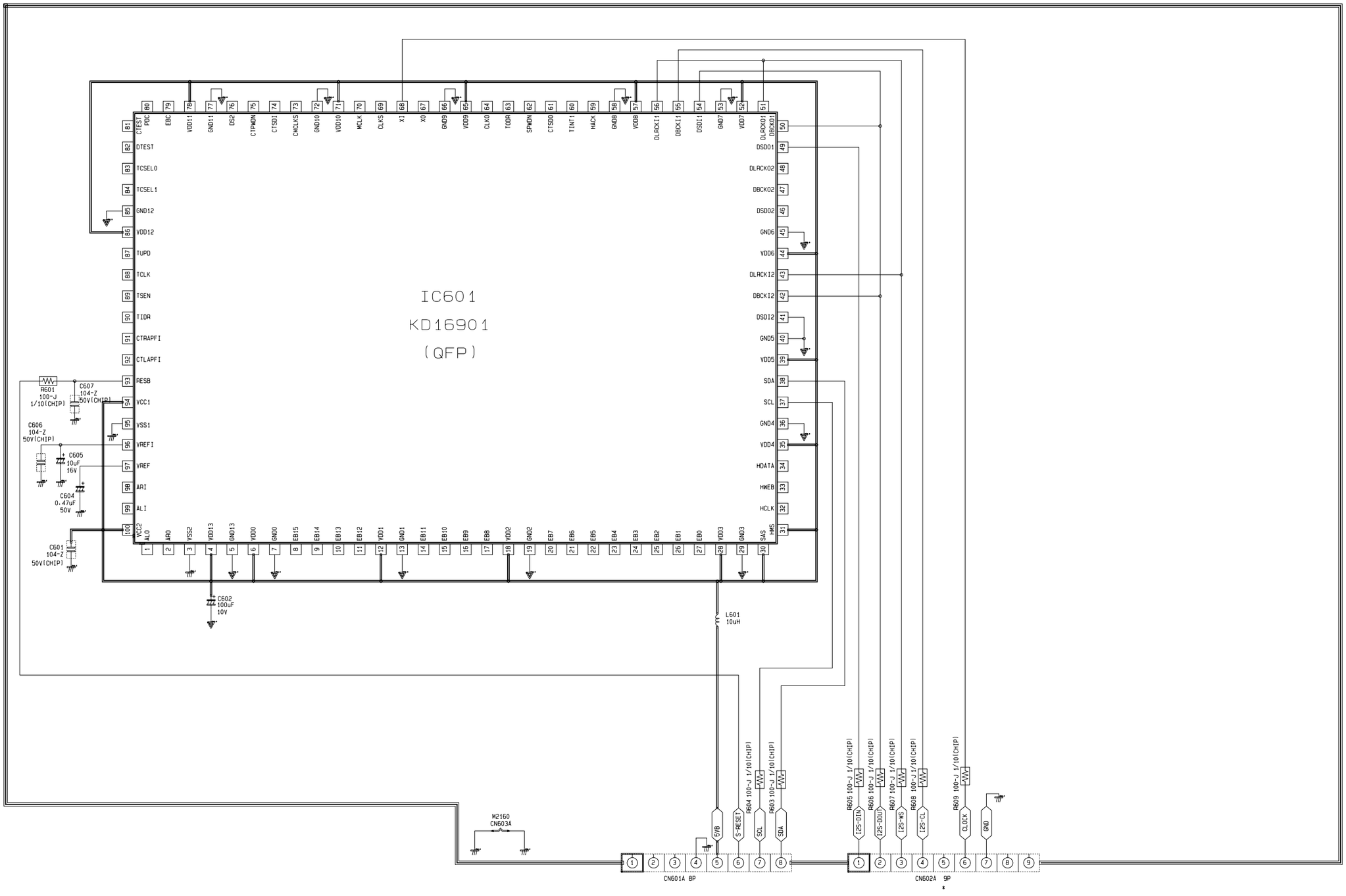
CRT



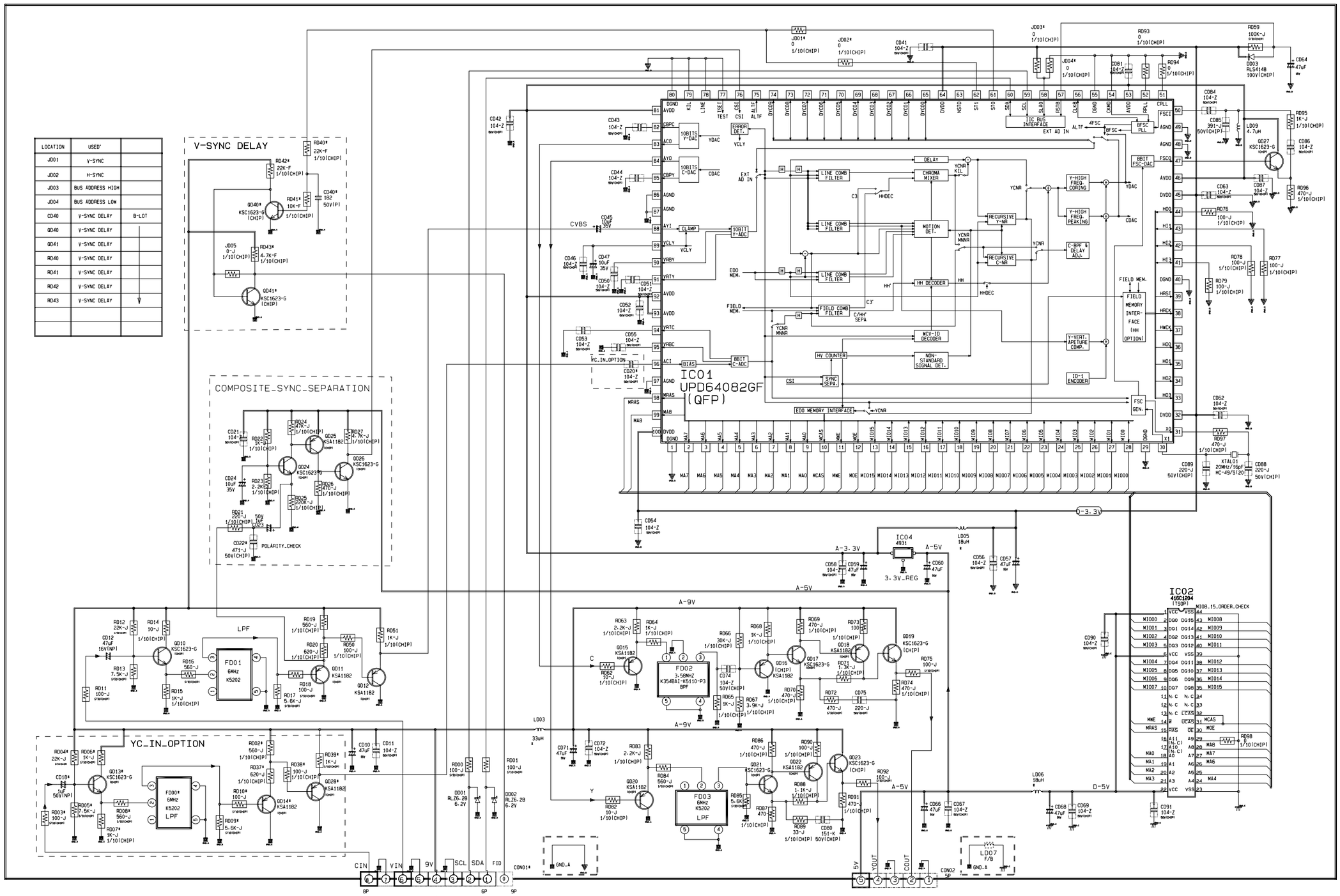
DTV-JACK



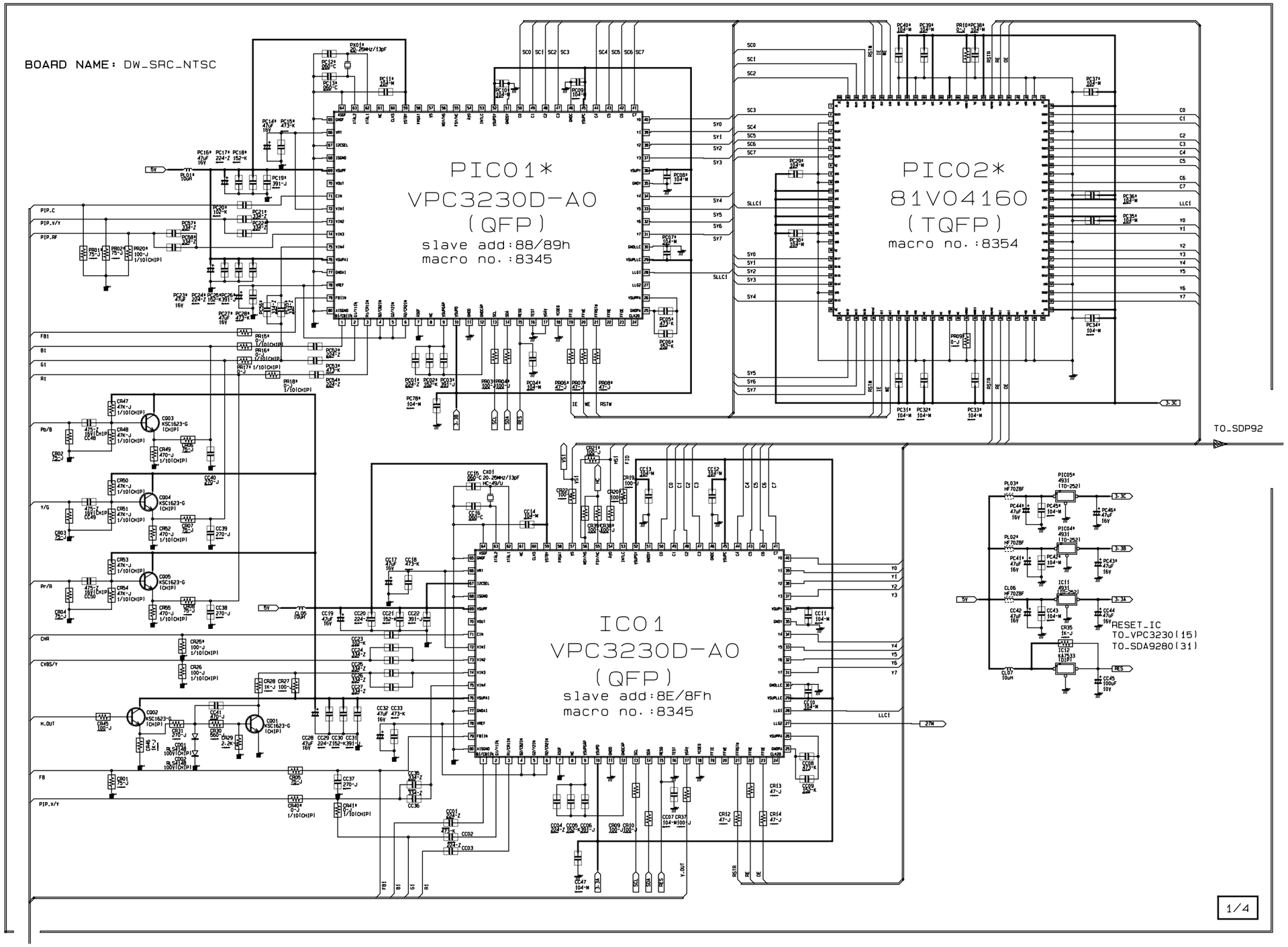
9-8 DOLBY SOUND



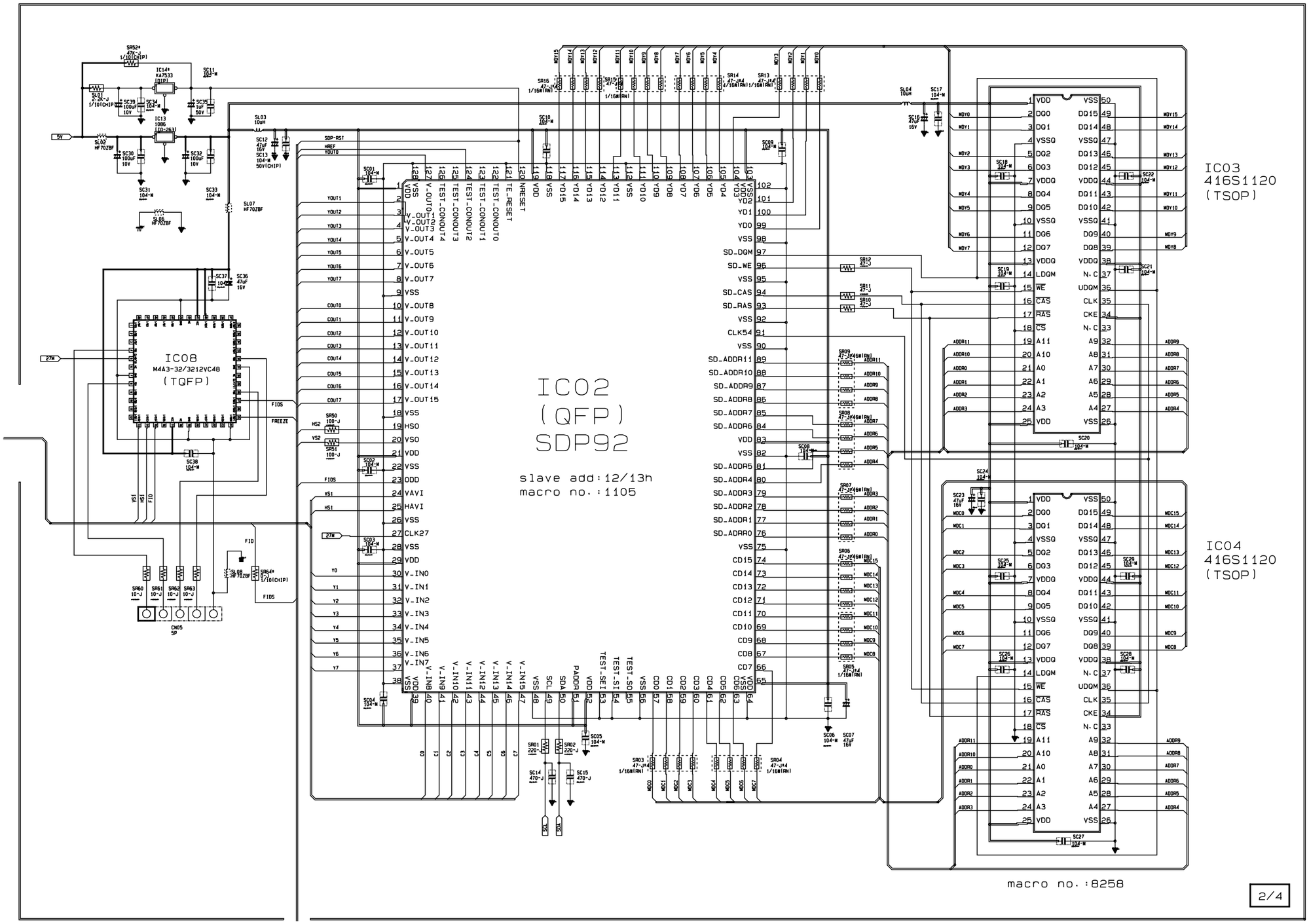
9-9 3D COMB


V-SYNC DELAY
COMPOSITE_SYNC_SEPARATION
YC_IN_OPTION
IC01
UPD64082GF
(QFP)
IC02
416C1204
(TSOP)
IC04
4931
3.3V_REG
FD01
6MHz
K5202
LPF
FD02
3.58MHz
K354BAI-K5110-P3
BPF
FD03
6MHz
K5202
LPF
FD000
6MHz
K5202
LPF
LOCATION
USED'
JD01
V-SYNC
JD02
H-SYNC
JD03
BUS ADDRESS HIGH
JD04
BUS ADDRESS LOW
CD40
V-SYNC DELAY
B-LOT
QD40
V-SYNC DELAY
QD41
V-SYNC DELAY
RD40
V-SYNC DELAY
RD41
V-SYNC DELAY
RD42
V-SYNC DELAY
RD43
V-SYNC DELAY
CVBS
EXT AD IN
IIC BUS INTERFACE
EXT AD IN
FIELD MEMORY INTER-FACE (HH OPTION)
FIELD MEM.
LINE COMB FILTER
FIELD COMB FILTER
CHROMA MIXER
MOTION DET.
RECURSIVE Y-NR
RECURSIVE C-NR
HH DECODER
NCV-ID DECODER
NON-STANDARD SIGNAL DET.
HV COUNTER
SYNC SEPA.
FSC GEN.
BFSC PLL
8BIT FSC-DAC
Y-HIGH FREQ. CORING
Y-HIGH FREQ. PEAKING
C-BPF & DELAY ADJ.
Y-VERT. APETURE COMP.
ID-1 ENCODER
EDO MEMORY INTERFACE
10BITS Y-DAC
10BITS C-DAC
10BIT Y-ADC
8BIT C-ADC
ERROR DET.
LPF
CIN
VIN
9V
SCL
SDA
FID
VOUT
COUT
5V
A-9V
A-5V
A-3.3V
D-5V
D-3.3V
GND_A
LD07
F/B
CON01
CON02
XTAL01
20MHz/16pF
HC-49/S120

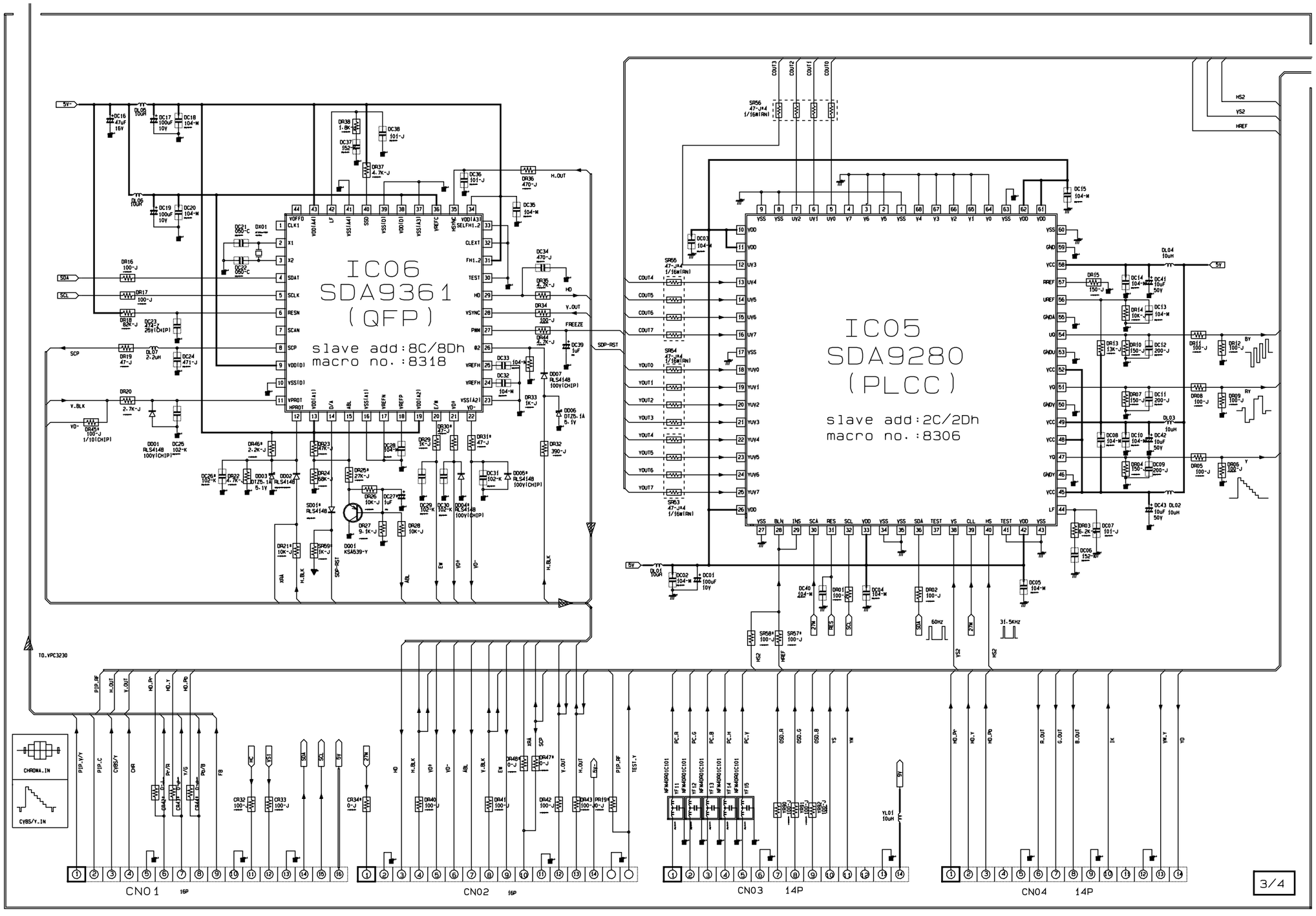
9-10 FEATURE-BOX 1/4



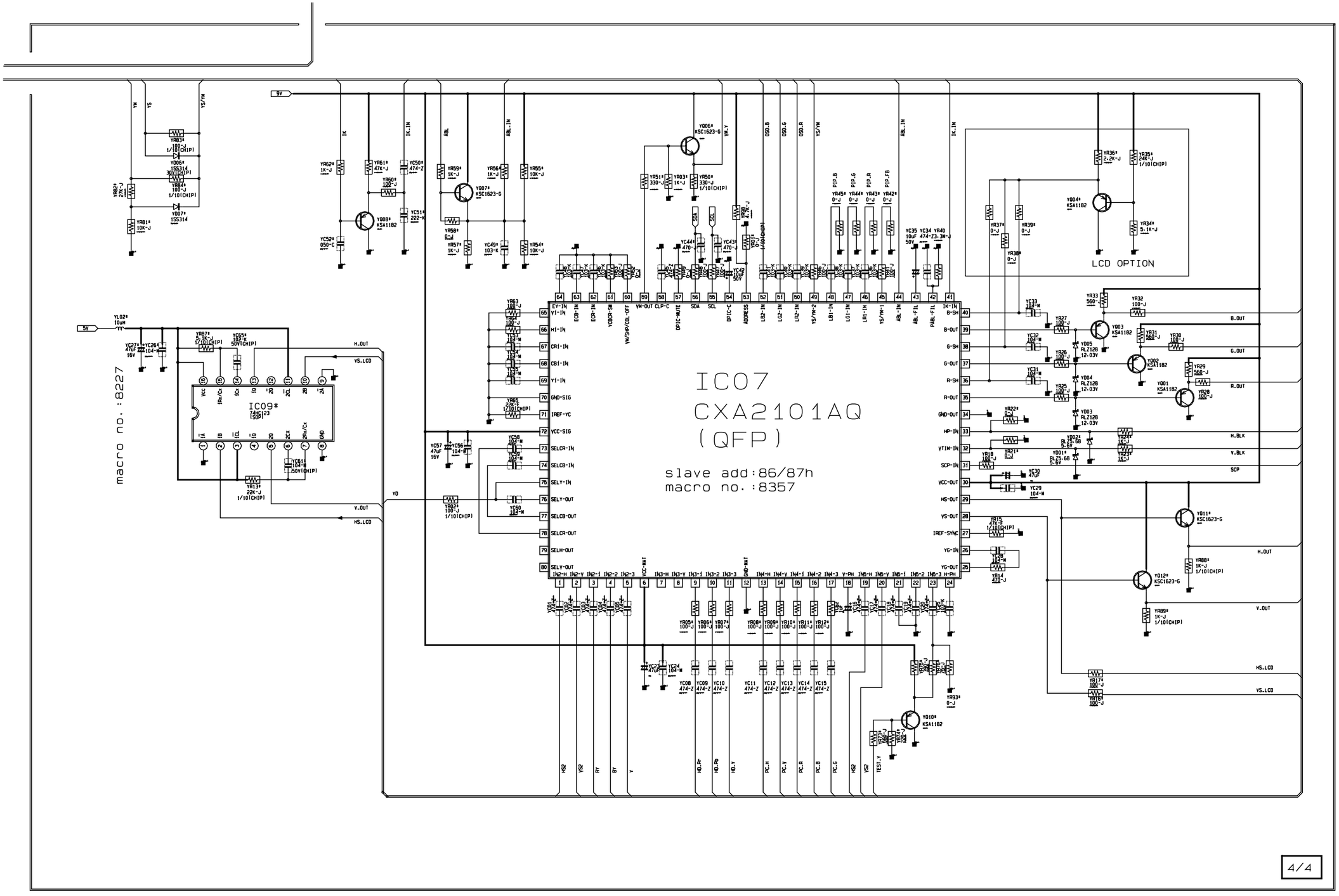
9-11 FEATURE-BOX 2/4



9-12 FEATURE-BOX 3/4

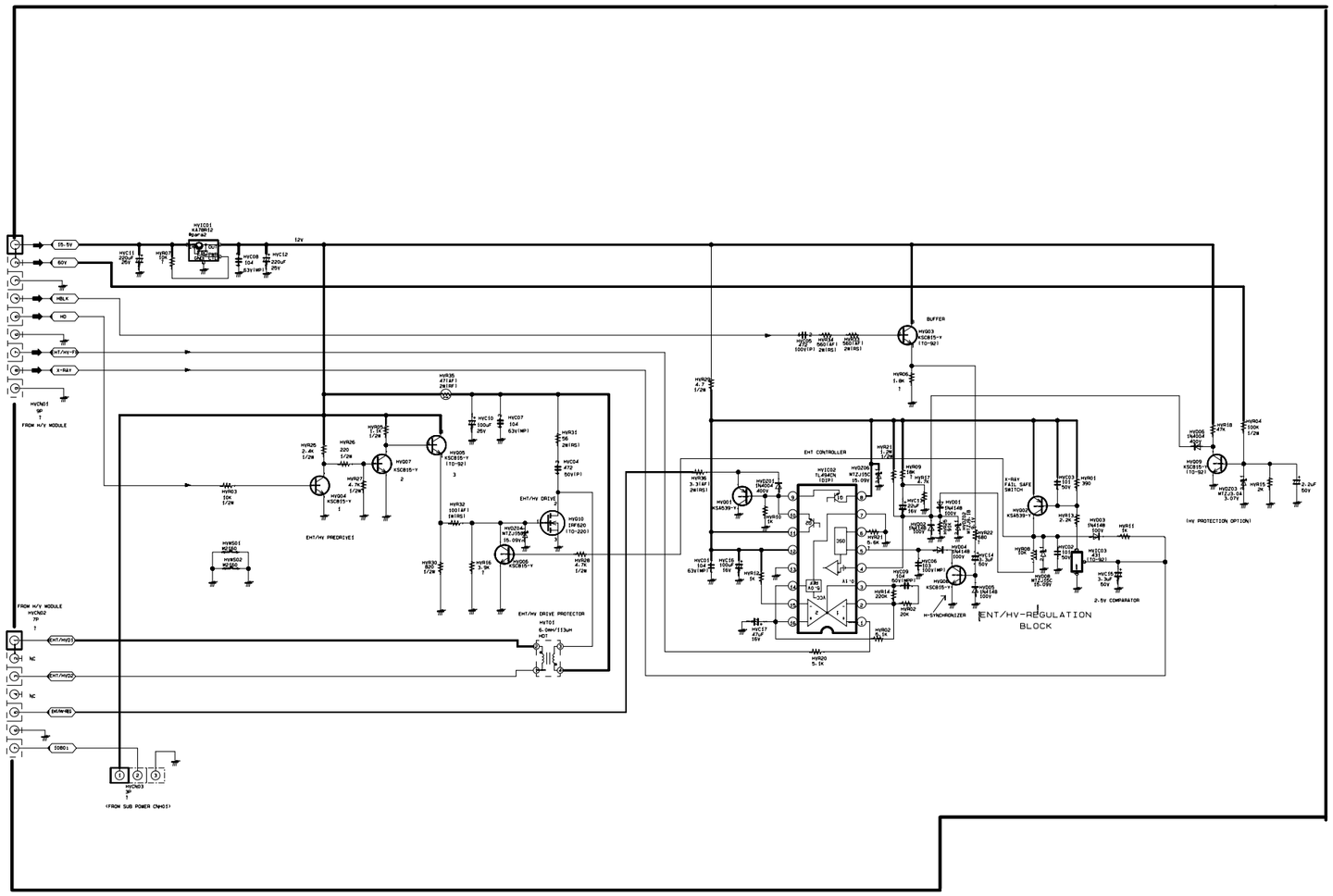


9-13 FEATURE 4

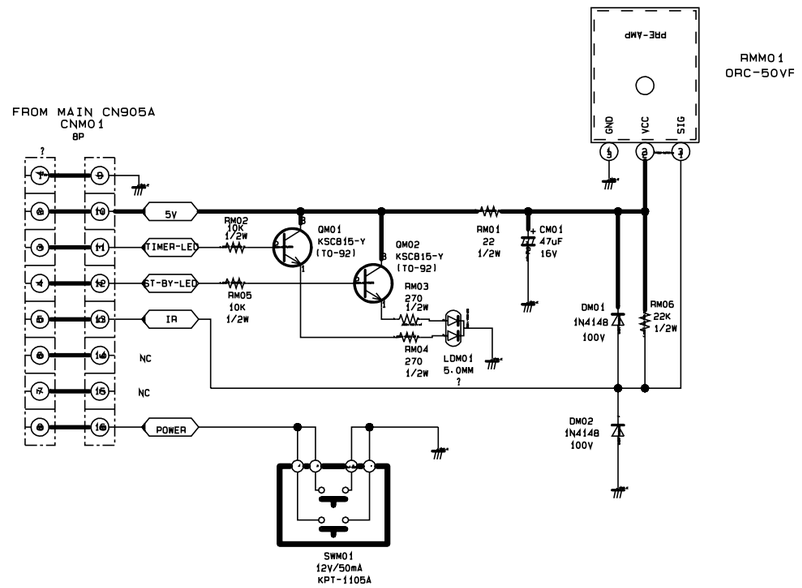


9-14 HV-MODULE, TACK-SWITCH

HV-MODULE

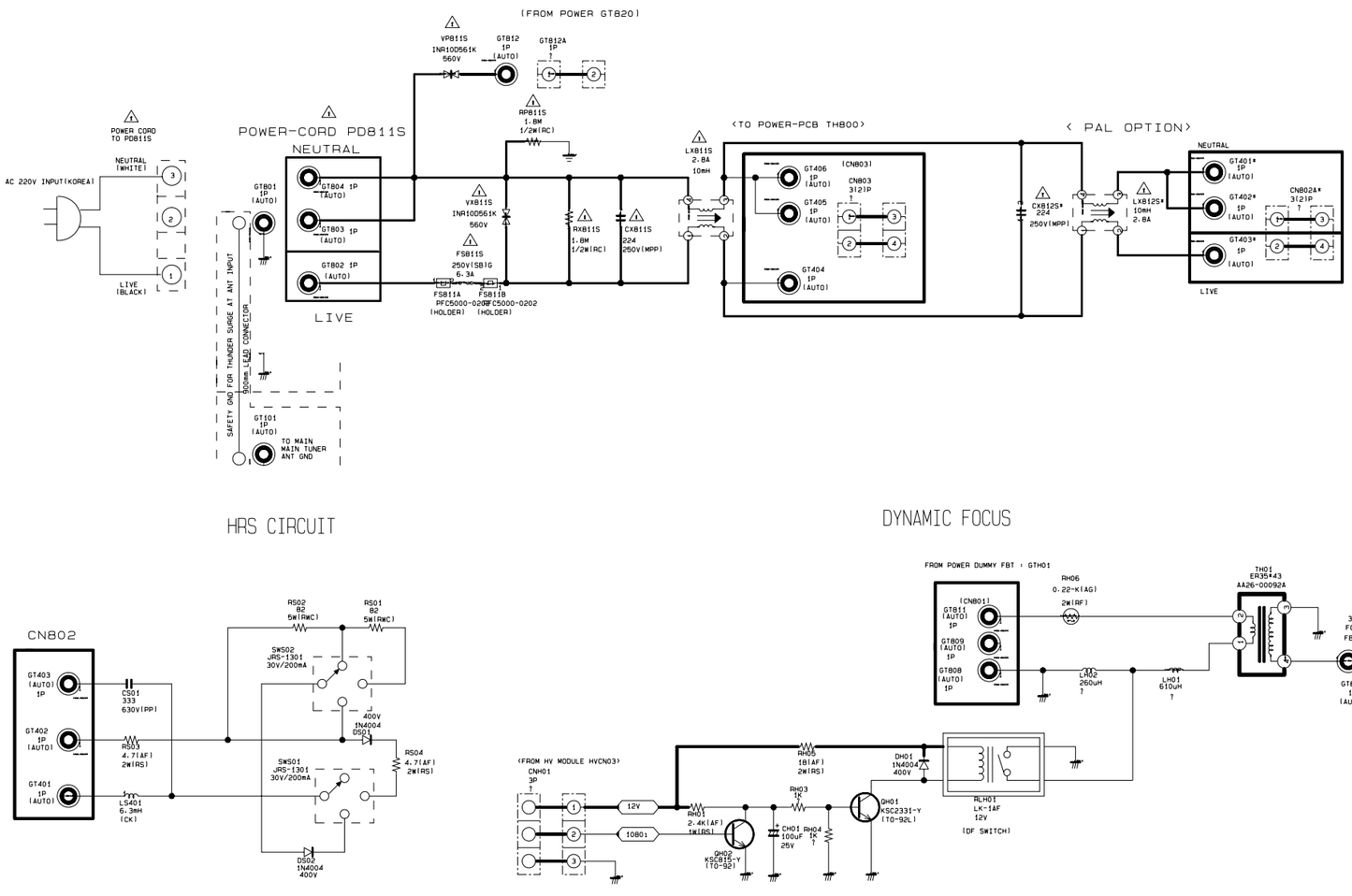


TACK-SWITCH

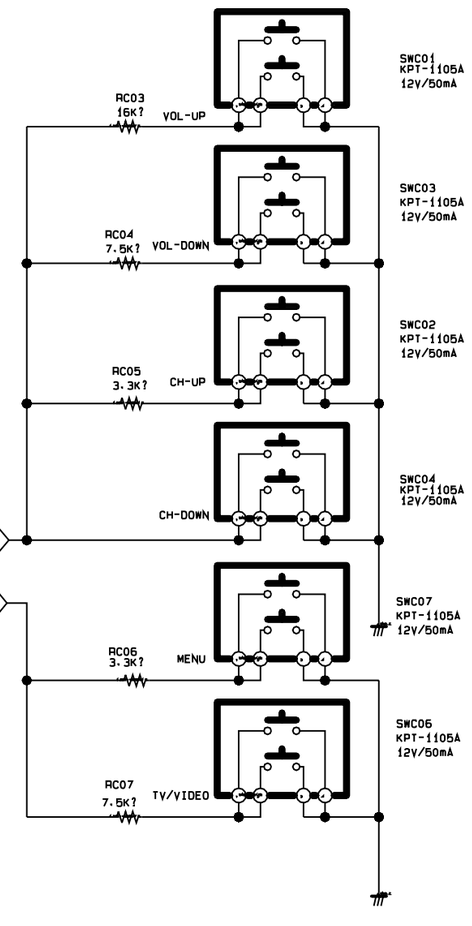


9-15 SUB-PCB 2(SUB POWER, CONTROL)

SUB POWER



CONTROL



HRS CIRCUIT

DYNAMIC FOCUS

ELECTRONICS

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